IntelliCENTER Software

User Manual

Allen-Bradley

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Important User Information

Solid state equipment has operational characteristics differing from those of electromechanical equipment. Safety Guidelines for the Application, Installation and Maintenance of Solid State Controls (publication SGI-1.1 available from your local Rockwell Automation sales office or online at http://www.rockwellautomation.com/literature describes some important differences between solid state equipment and hard-wired electromechanical devices. Because of this difference, and also because of the wide variety of uses for solid state equipment, all persons responsible for applying this equipment must satisfy themselves that each intended application of this equipment is acceptable.

In no event will Rockwell Automation, Inc. be responsible or liable for indirect or consequential damages resulting from the use or application of this equipment.

The examples and diagrams in this manual are included solely for illustrative purposes. Because of the many variables and requirements associated with any particular installation, Rockwell Automation, Inc. cannot assume responsibility or liability for actual use based on the examples and diagrams.

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Throughout this manual, when necessary, we use notes to make you aware of safety considerations.

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IntelliCENTER Software Introduction

The IntelliCENTER® software, together with advanced Allen-Bradley® network components, lets you monitor loads, use data trending information for predictive maintenance, and access electronic documentation.

System and Equipment Requirements

These minimum system requirements provide optimal operation of the IntelliCENTER software:

- Operating system: Windows XP SP3, Windows Vista SP2, Windows 7, Windows 8 or later
- Processor: 2 GHz minimum [1]
- Video resolution: 1024 x 768 resolution with True Color (24 bit or better)
- CD-ROM drive: 4X (16X recommended)
- Hard disk space: 3 GB free disk space
- Mouse: Microsoft compatible
- RAM: 2 GB minimum (4 GB recommended)

Minimum Permission Requirements

The user who installs and runs IntelliCENTER software should be an Administrator. In some cases, a non-Administrator may be set up to use IntelliCENTER software, but this requires additional work as described in Knowledgebase article 68413.

The information below is provided in order to help support antivirus and firewall programs and security policies that may interfere with IntelliCENTER software operation.

Firewall Changes Made by the IntelliCENTER Software Installation

During IntelliCENTER software installation, the IntelliCENTER.exe application is added to the list of allowed programs within the Windows Firewall settings.

IntelliCENTER – Known Folders and File-Extensions

IntelliCENTER software must have read/write access to the following folders:

- Software Installation folder (set during install)
- Data CD Installation folder (set during install)

[1] The IntelliCENTER software is a monitoring/communication software package requiring a very large amount of processor speed to function efficiently and quickly. The processor speeds listed allow the software to function correctly. However, for speed and efficiency, we recommend that the processor used be the fastest processor available to you.

The known file extensions that are created/used by IntelliCENTER software are:

- .dwg (Drawing)
- .txt (Text Document)
- .wsp (Work Space File)
- .csv
- .png (PNG Image)
- .ldb (temporary database file)
- .tlb (TLB File)
- .acd (RSLogix/Studio 5000 Project)
- .L5X (L5X File)
- .InstallLog (INSTALLLOG File)
- .InstallState (INSTALLSTATE File)

Services IntelliCENTER Depends On

The services that IntelliCENTER depends on are:

- IntelliCENTER Communication Server
- RSLinx Classic
- Windows Event Log

Equipment Necessary for Connecting the Computer

This is the equipment you need to connect your computer through your network.

DeviceNet Network

For a DeviceNet network, you need the following equipment.

Laptop computer	1784-U2DN USB to DeviceNet cable or 1784-PCD DeviceNet personal computer interface card and 1784-PCD1 cable
Desktop computer	1784-U2DN USB to DeviceNet cable or 1784-PCID DeviceNet personal computer interface card
RS232 interface (reduced performance)	1770-KFD module

TIP A 2100H-ICPC120 patch cable is necessary for connecting interface (laptop, desktop, RS232) to IntelliCENTER MCC wireway.

ControlNet Network

For a ControlNet network, you need the following equipment:

- Laptop computer: 1784-PCC ControlNet personal computer interface card and 1784-C1 cable
- Desktop computer: 1784-PCIC ControlNet personal computer interface card and 1784-TPR ControlNet tap

TIP Consult the ControlNet Coax Media Planning and Installation Guide, publication CNET-IN002, for configuration and installation of the ControlNet cable.

Ethernet Network

For an Ethernet network, you need a laptop or desktop computer. Consult your local computer-support personnel for Ethernet interface requirements.

Recommended Additional Software

Use RSNetWorx™ for DeviceNet software to configure DeviceNet nodes, save parameters, and communicate to all types of DeviceNet components (sensors, non-Allen-Bradley products, and other products not found in MCCs).

Online Help

The online help included in the IntelliCENTER software complements and adds to the information in this document. To access the online help, choose Start > Programs > IntelliCENTER > IntelliCENTER Help.

Install the Software

These next sections guide you through installing the IntelliCENTER software. Follow this order for installing the disks.

1. Install the IntelliCENTER Software Program Disk.

   This disk installs the IntelliCENTER program onto your computer. Follow the steps to install all dependencies for IntelliCENTER software and finally IntelliCENTER software itself.

2. Install the IntelliCENTER Software Data Disk.

   This disk provides the details about a particular IntelliCENTER motor control center. It installs the databases, drawings, manuals, and EDS files necessary for IntelliCENTER software to operate. Also included, in the Access folder on this CD, are the DNT files for your order.

3. (Optional) Install the Electronic Data Sheet (EDS) files disk.

   This is a complimentary disk that contains only a current snapshot of EDS files that you may find useful. This is not a list of all EDS files, nor is there any guarantee that the EDS files you need are on this disk. If you are looking for an EDS file that was not installed by the IntelliCENTER Software data disk and is not on this disk, then refer to the Rockwell Automation EDS file site http://www.rockwellautomation.com/resources/eds/.

New IntelliCENTER Software Installation

TIP If the IntelliCENTER software program disk is installed already, skip to Installing IntelliCENTER Software Data Disks.

Follow these steps to install the software.

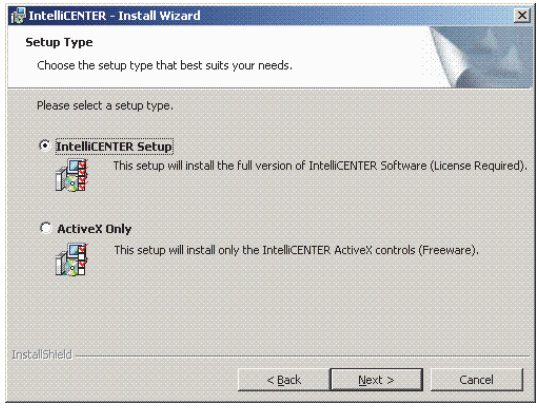
1. Close all programs.
2. Insert the IntelliCENTER software program disk into your CD-ROM drive.

   If Autorun is enabled on your computer, the installation starts automatically and you can skip steps 3. and 4.
3. From the Start menu, choose Run.
4. Type D:\Setup.exe (substitute the appropriate letter of your CD-ROM drive for D) and click OK.

TIP You may also click Browse to find the Setup.exe file located on the CD.

5. Follow the instructions to install the dependencies needed to support IntelliCENTER software.

   When it is time to install IntelliCENTER software, you are prompted for which type of IntelliCENTER software installation you would like to perform.
6. Choose the setup type, either IntelliCENTER setup or ActiveX Only setup.


IntelliCENTER - Install Wizard
Setup Type
Choose the setup type that best suits your needs.
Please select a setup type.
IntelliCENTER Setup
This setup will install the full version of IntelliCENTER Software (License Required).
ActiveX Only
This setup will install only the IntelliCENTER ActiveX controls (Freeware).
InstallShield
< Back
Next >
Cancel

   - IntelliCENTER setup - This option includes the IntelliCENTER software standalone application and all of its features. This is a full functioning version of the software and requires a license for each machine it is installed onto.
   - ActiveX only - This option is to support HMIs developed using the IntelliCENTER ActiveX controls. This version does not contain the IntelliCENTER software standalone application. This version may be installed on as many computers as desired.
7. Follow the remaining instructions on the screen to finish installing IntelliCENTER software.

Installing IntelliCENTER Software Data Disks

The information on the data disks includes all user manuals, CAD drawings, spare parts, and two database files. The data disks can be installed on the local hard disk drive or on a server (where more than one user can access it). The Installation Wizard asks for the preferred location. During normal operation of the IntelliCENTER software, files are read from and written to the data disk files located either on the hard disk drive or a server.

Install the First IntelliCENTER Software Data Disk

Follow these steps to install the first data disk. To install an additional data disk, see Install Additional Data Disks.

1. Close all programs.
2. Insert the IntelliCENTER software data disk into your CD-ROM drive.

   If Autorun is enabled on your computer, the installation starts automatically and you may skip steps 3 and 4.
3. From the Start menu, choose Run.
4. Type D:\Setup.exe (substitute the appropriate letter of your CD-ROM drive for D) and click OK.

TIP You may also click Browse to find the Setup.exe file located on the CD.

5. Follow the instructions on the screen.

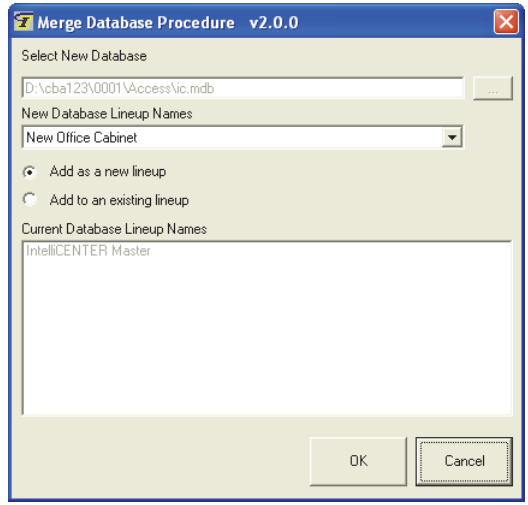
IMPORTANT During the installation process, you are prompted to choose a directory into which the new database is installed. We suggest that you choose the default directory. If you select a different directory than the default directory, the IntelliCENTER software needs to be reconfigured to the new directory. To do this, in IntelliCENTER software from the Edit menu, choose Preferences and click the File Locations tab. All additional IntelliCENTER software data disks must be installed in the same directory.

Install Additional Data Disks

Follow these steps to install data disks other than the initial disk that was installed with the IntelliCENTER software.

1. Insert the IntelliCENTER software data disk into the CD-ROM drive.

   The Merge Data dialog box appears automatically and the Select New Database box is populated with the path D:\Order\Item\Access\ic.mdb. This is the location of the database on the CD-ROM drive of your computer.



   If there is more than one MCC lineup on the new data disk, the New Database Lineup Names pull-down menu lets you choose which lineup is merged into the existing database on the computer.

2. Select the MCC lineup that is to be merged.

IMPORTANT If more than one lineup is to be merged from the data disk, each lineup has to be merged individually until all lineups have been merged into the existing database.

3. Click 'Add as a new lineup' or 'Add to an existing lineup'.

   Choose Add to an existing lineup when adding replacement units or new sections to a lineup that already exists within the database. Otherwise, choose Add as a new lineup to have the lineup merge in as a new lineup, separate from the other lineups in your database.

4. Click OK to merge the databases together.

   The database is checked for errors. If there are errors, the database is not merged. If there are no errors, the new database is merged with the existing database; this may take a few minutes. There is a confirmation that the databases were merged successfully. If there is more than one lineup on the new data disk, a dialog box appears, asking if you are done merging. If you are not, repeat the steps for additional lineups until you are done merging all the lineups.

IMPORTANT If you are merging a replacement or new unit into an existing lineup, make sure the location of the new units is empty in the existing database. If necessary, open the Spreadsheet View and delete or move the unit currently residing where the new unit is to be placed.

Electronic Data Sheets

Electronic data sheet (EDS) files are simple text files used by network configuration tools, such as RSNetWorx software, and by IntelliCENTER software to help identify products and easily commission them on a network. EDS files describe a product's device type, product revision, and configurable parameters on a network.

EDS files must be registered for each unique device in the MCC. All required EDS files are installed automatically and registered when the IntelliCENTER software data disk is installed. However, there may be an instance where an EDS file needs to be installed and registered manually. To do this, follow the steps under Manually Install EDS Files.

Manually Install EDS Files

The EDS files are installed with a program from Rockwell Software®. To install the EDS files, choose Programs > Rockwell Software > RSLinx > Tools > EDS Hardware Installation Tool.

1. Click Add.
2. Select Register an EDS File and click Next.
3. Choose Register a Directory of EDS Files.

   The IntelliCENTER software data disk supplied with your IntelliCENTER MCC contains a directory (<CDROM>:\<Order>\<Item>\EDS) of all EDS files necessary for the devices in your IntelliCENTER MCC.
4. Browse to the EDS directory on the data CD and click Next.

   The Installer displays the test results.
5. Click Next to continue.

   The Installer lets you change the graphic image for each device.
6. Click Next to continue.

   The Installer displays the final task summary.
7. Click Next to continue.
8. Click Finish when completed.

EDS Files for Other Devices

EDS files also can be obtained at http://www.rockwellautomation.com/resources/eds/.

Configure RSLinx Software Drivers

During the installation of the IntelliCENTER software program disk, RSLinx® Classic Lite software was installed (unless RSLinx software was installed on the personal computer prior to installation of the IntelliCENTER software). RSLinx Classic software is the communication platform between the IntelliCENTER hardware and software.

TIP If IntelliCENTER software data disks or EDS files were recently installed, then restart the computer before browsing the associated network in RSLinx Classic software. This is because certain EDS files require a restart of the computer before RSLinx Classic software is able to identify the device in the RSWho. If the devices do not appear in the RSWho, then IntelliCENTER software is not able to monitor the device.

Follow these steps to configure the RSLinx software drivers needed on your computer.

1. From the Start menu, choose Programs > Rockwell Software > RSLinx > RSLinx Classic.

TIP If RSLinx Classic software does not start, then start the application from the RSLinx Classic Launch Control Panel. From the Start Menu, choose Programs > Rockwell Software > RSLinx > RSLinx Classic Launch Control Panel. Clear the Always Run as Service checkbox, and click Start.

2. In RSLinx Classic software, from the Communications menu, choose Configure Drivers.
3. From the Available Driver Types pull-down menu, choose the most appropriate driver for your communication platform.

   More than one driver can be configured.

IMPORTANT IntelliCENTER software version 5.00.01 and later does not communicate with PowerFlex 753/755 drives via the 20-COMM-D option card. The 20-COMM-D option card is not a supported option for the PowerFlex 753/755 drives. Use the 20-750-DNET option card to communicate with the PowerFlex 753/755 drives over the DeviceNet network.

4. Complete the information in the Driver Configuration dialog box that is displayed.

TIP The Driver Configuration dialog box varies depending on which driver you select.

   After successfully adding the new driver, the network must be browsed.

5. From the Communications pull-down menu, choose RSWho.
6. Select the driver and browse to the appropriate networks that IntelliCENTER software is communicating with.
7. Allow all nodes on a network to be browsed.
8. If you have multiple networks, browse each network that IntelliCENTER software monitors.

IMPORTANT If a device is not first browsed in RSLinx Classic software, the IntelliCENTER software cannot communicate to that device and IntelliCENTER software shows the device to be in communication loss. Once a network has been fully browsed in RSLinx Classic software, it does not need to be re-browsed until the network is modified. This browse must happen in RSLinx Classic software; it is not sufficient to browse the network in IntelliCENTER software's Select Network Path dialog box.

Start the IntelliCENTER Software

After the IntelliCENTER software program disk and data disk have been installed and the RSLinx software driver has been configured, the IntelliCENTER software is ready for use.

IMPORTANT IntelliCENTER software version 5.00.01 and later does not communicate with PowerFlex 753/755 drives via the 20-COMM-D option card. The 20-COMM-D option card is not a supported option for the PowerFlex 753/755 drives. Use the 20-750-DNET option card to communicate with the PowerFlex 753/755 drives over the DeviceNet network.

1. From the Start menu, choose Programs > IntelliCENTER > IntelliCENTER.

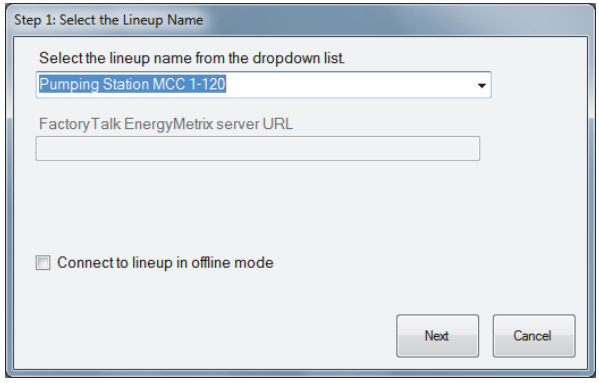
TIP You could also double-click the IntelliCENTER software icon on your Windows desktop to start the IntelliCENTER software.

IMPORTANT When you start the IntelliCENTER software for the first time, a welcome screen appears and asks you to set the administrator's password. Type the password in the New Password and Confirm Password fields, and then click OK. Security should be established for all users prior to operation of the software.

2. Click Open.

3. In the Select the Lineup Name dialog box that appears, select the appropriate IntelliCENTER MCC lineup to be viewed and click Next.

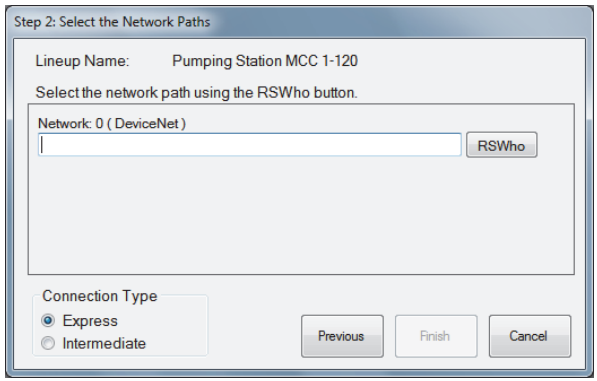
   If the lineup selected is an IntelliCENTER Energy MCC, then you can enter the URL where the associated FactoryTalk® EnergyMetrix server is located. This enables the software to display IntelliCENTER Energy views for the devices within the MCC. For more information about IntelliCENTER Energy see IntelliCENTER Energy on page 41.


Step 1: Select the Lineup Name
Select the lineup name from the dropdown list.
Pumping Station MCC 1-120
FactoryTalk EnergyMetrix server URL
Connect to lineup in offline mode
Next
Cancel

   The Network Paths dialog box appears.

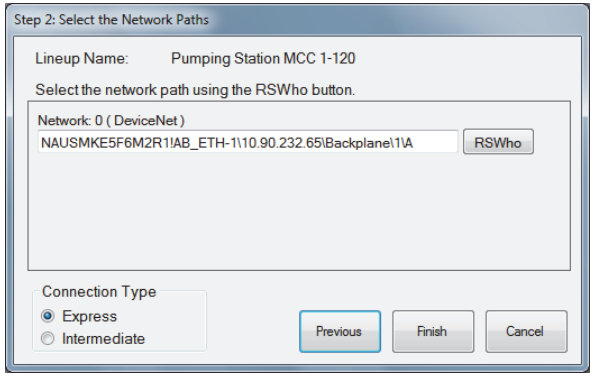
   If this is the first time monitoring a particular IntelliCENTER network, then the network path is not known yet. If all network paths are associated, proceed to step 6.

4. Click RSWho to associate a network with it's network path.



The Select Network Path dialog box appears after clicking RSWho. The RSWho network tree is seen on the left side of the dialog box.

5. Expand the network tree until the network is highlighted, then click OK.



TIP If the IntelliCENTER MCC lineup has multiple networks included in it, there are multiple RSWho network paths listed. Each network needs to be configured individually the first time they are monitored.

6. Click the Connection Type using the option boxes provided.

   Intermediate: This type of connection checks all the units as they appear in the computer's database against what is found in the network. This is used to resolve differences between the hardware and software database. This is useful the first time in connecting to a lineup or after changes have taken place (such as a replaced device).

   Express: This type of connection assumes that no changes have taken place in the lineup since the last time the computer was connected. This is the fastest connection.

   Refer to Communication in the online help for further information on the connection type.

7. After the network paths and the connection type have been selected, click Finish.

   The Elevation View appears automatically.

Notice the Elevation , Monitor , and Spreadsheet icons are now active, and you are ready to use the IntelliCENTER software.

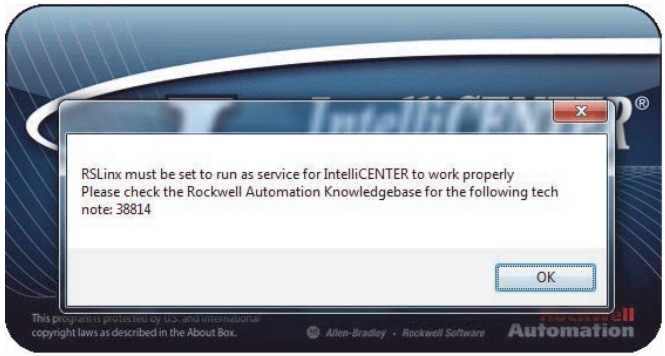
Using IntelliCENTER Software for the First Time

This section instructs you on setting up RSLinx software for use on Windows Vista, Windows 7, or Windows 8 operating systems, changing your password, adding new users, and using the toolbar.

IMPORTANT When you start the IntelliCENTER software for the first time, a welcome screen appears and asks you to set the administrator's password. Type the password in the New Password and Confirm Password fields, and then click OK. Security should be established for all users prior to operation of the software.

Setup RSLinx Software to Run on Windows Vista, Windows 7, or Windows 8 Operating Systems

When opening IntelliCENTER software on a personal computer running Windows Vista, Windows 7, or Windows 8 operating systems, you need to set RSLinx Classic software to run as a service.


RSLinx must be set to run as service for IntelliCENTER to work properly
Please check the Rockwell Automation Knowledgebase for the following tech note: 38814
OK
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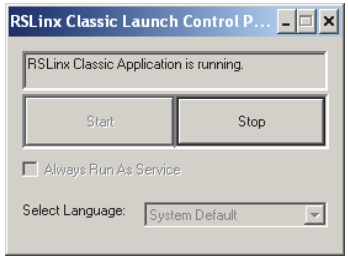
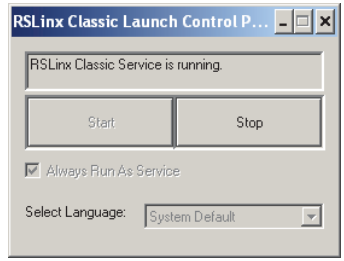
Automation

1. From the Start menu, choose Programs > Rockwell Software > RSLinx > RSLinx Classic Launch Control Panel.
2. Click Stop and check Always Run As Service.
3. Click Start to run RSLinx Classic software as a service.
4. Start IntelliCENTER software.





Security

The IntelliCENTER software features a secure logon screen that appears when the software is started. The default user name is 'Administrator' and the default password is 'password' (both are case sensitive). After logging in for the first time, the administrator (the person who installed the software and/or has complete access to all device settings) should change their password, then set up user names and passwords for all other persons using the software. To change a password, from the File menu, choose Change Password.

IMPORTANT The user must be logged in to the software prior to changing their password.

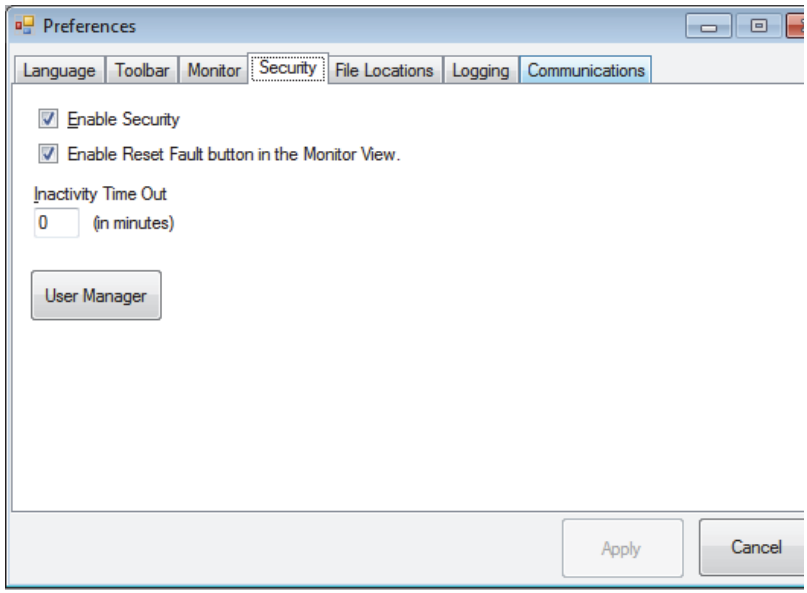
The administrator determines the levels of other users' access in the IntelliCENTER software. The administrator also determines their own level of access.

Add a New User

Follow these steps to add a new user to the IntelliCENTER software.

1. From the Edit menu, choose Preferences.
2. Click the Security tab.

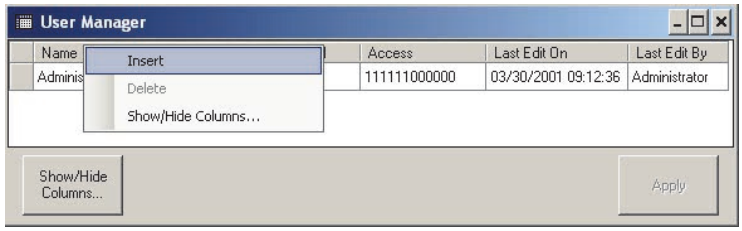
IMPORTANT The administrator is the only user with access to the security features of the IntelliCENTER software.



3. In the Security tab, click User Manager so that the User Manager dialog box appears.

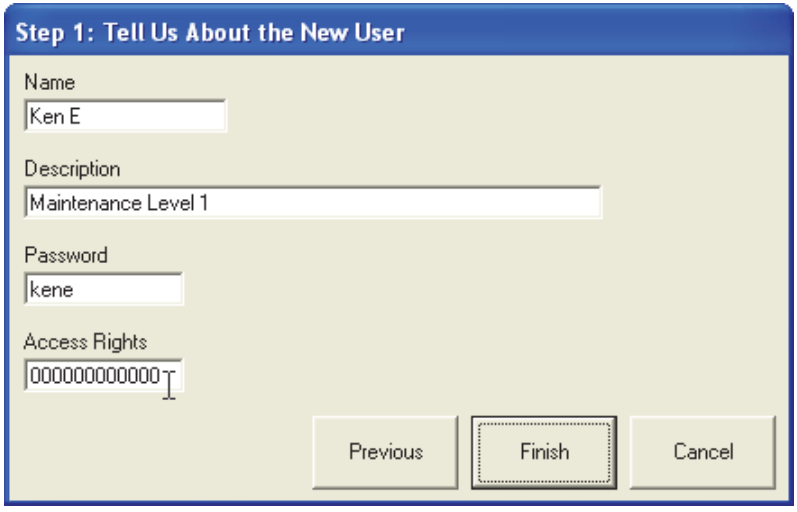
4. From the Edit menu, choose Insert.

TIP You can also right-click the file and choose Insert.



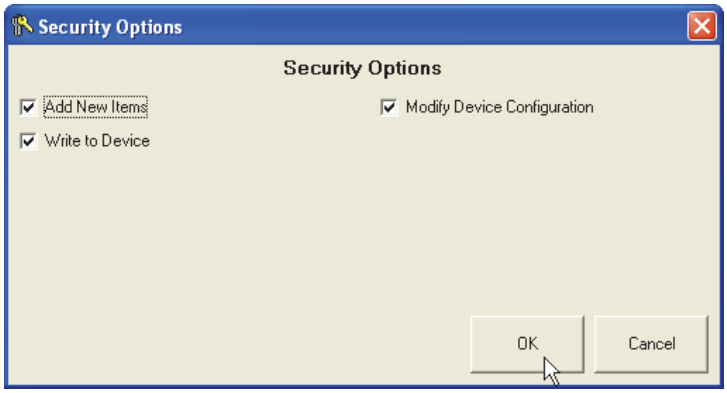
This starts the Add a New User Wizard. Follow the directions on the dialog box.

5. Click the Access Rights box to specify the level of security needed for the new user.



The security options available include the following:

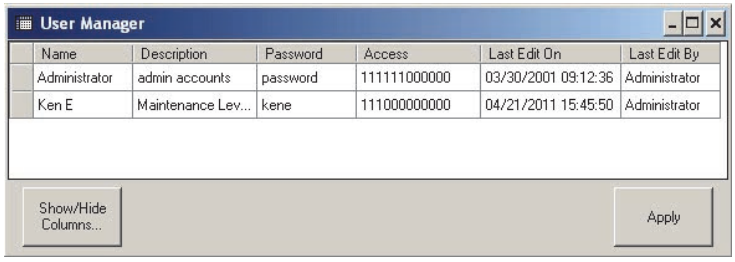
- Add New Items—Ability to add and delete new users, units, sections, events, manuals, CAD diagrams, and user manuals.
- Write to Device—Allows modification to all device parameters, including FLA, and warning levels.
- Modify Device Configuration—Modify unit configuration through the IntelliCENTER software. This includes changing input/output descriptions, location of units within the structure, and nameplate information.



6. After completing the Security Options, click OK and then Finish to end the wizard.

   The User Manager dialog box appears. The new user is located at the bottom of the list.

7. Click Apply to save the new-user security profile.



Toolbar

The toolbar that appears at the top of the IntelliCENTER software window allows for easy access to IntelliCENTER software features.

These are the functions of the icons in the toolbar.

Workspace Open—Opens an existing workspace

Workspace Save—Saves the current workspace that is in use

Add Lineup to Workspace—Adds an existing lineup to the current workspace

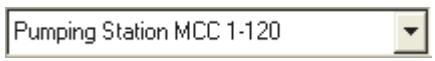
Delete Lineup from Workspace—Deletes the specified lineup from the workspace

Elevation View—Displays the elevation view of the active lineup in the workspace

Spreadsheet View—Displays the spreadsheet view of the active lineup in the workspace

Monitor (Unit) View—Displays the Monitor view of the selected unit from the Elevation or Spreadsheet view

Event Log—Displays the Event log of the selected unit, or if no unit is selected, displays the entire lineup



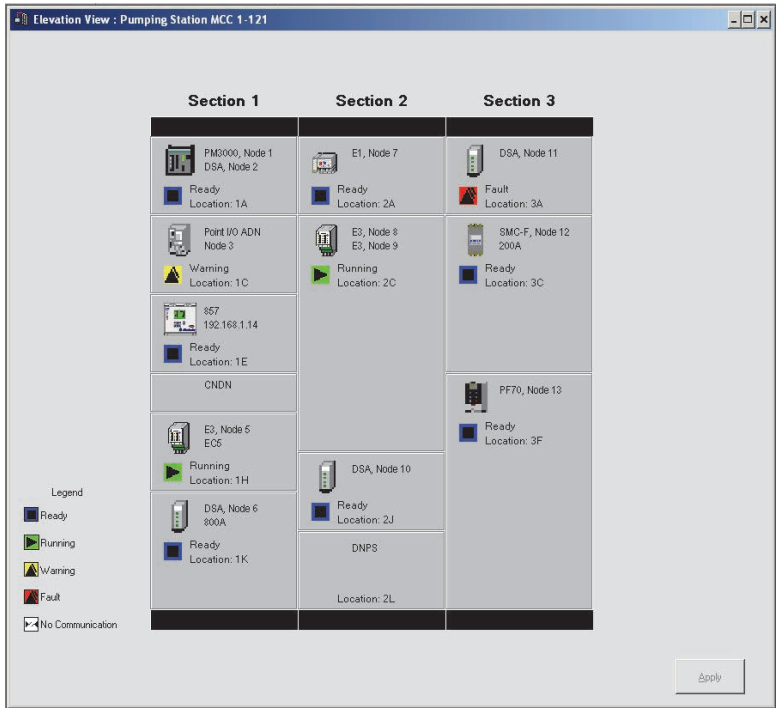
Lineup Selection—Pull-down menu of all lineups that have been added to the workspace. When clicking Elevation or Spreadsheet view, this is the active lineup that is displayed.

Real-time Monitoring

The IntelliCENTER software uses a polling method that allows real-time monitoring information to be displayed in the various IntelliCENTER software dialog boxes. The monitoring information takes second priority to control commands on the network, thereby ensuring that the IntelliCENTER software polling does not impact the response time for control commands.

Elevation View

To access the Elevation View, from the View menu, choose Elevation or click the Elevation View icon. The Elevation View displays the actual MCC lineup, complete with nameplates and status indicators on each door. The status indicators show unit status (ready, running, warning, fault, no communication) so you can identify anomalies at a glance. Refer to the online help for more information about the Elevation View.



To change the size of the Elevation View, drag the edge (top, bottom, sides, or corners) of the Elevation View window.

To see a more detailed status of the units, double-click the device icon for the unit in the Elevation View and the Monitor (unit) View is displayed for that unit.

Monitor (unit) View

The Monitor View screen lets you access device-level data to monitor and configure the devices in your MCC. This view lets you see key data, such as amperes, time-to-trip, trip cause, and ground fault amperes.

Starting with version 5.00.01, there are two Monitor Views for two sets of devices:

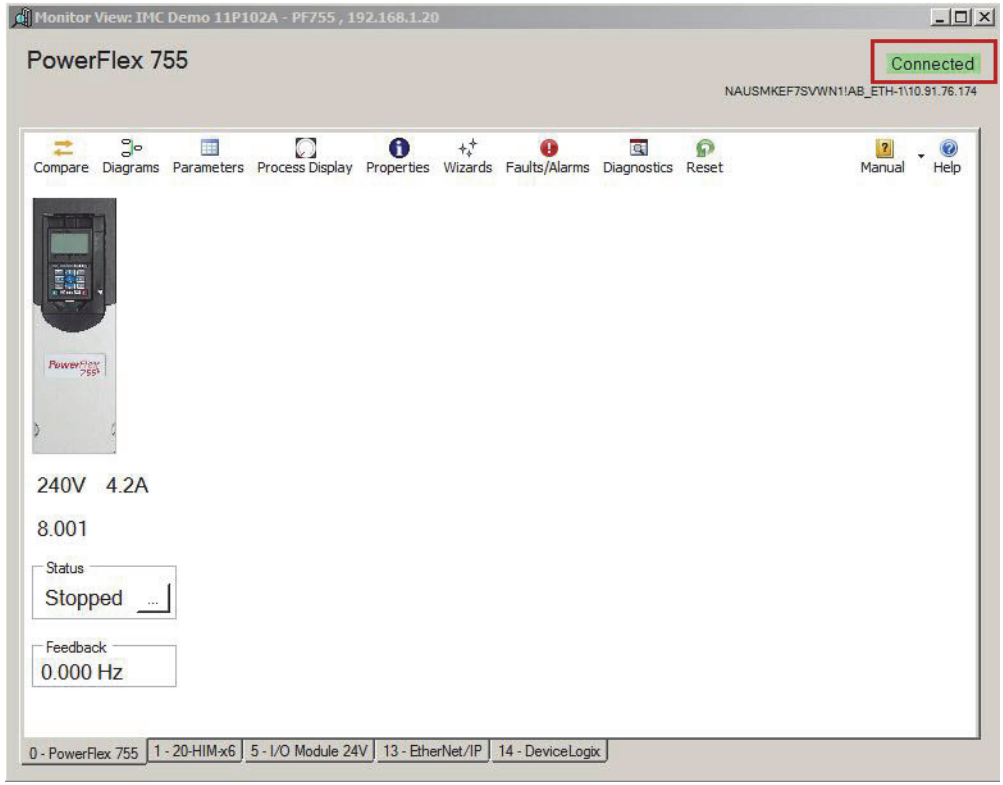
- All drives and the SMC™ Flex controller use a newer Monitor View that reuses a common user interface that is used in other Rockwell Automation products.
- All other devices use the legacy IntelliCENTER Monitor View. This Monitor View gives you access to the I/O mappings of the device, trending capabilities, and access to parameters.

To access the Monitor View do one of the following:

- Double-click the unit to be viewed from the Elevation View.
- Select the unit and from the View menu, choose Monitor .
- Select the unit and click the Monitor View icon.

Monitor View - PowerFlex Drives and SMC-Flex

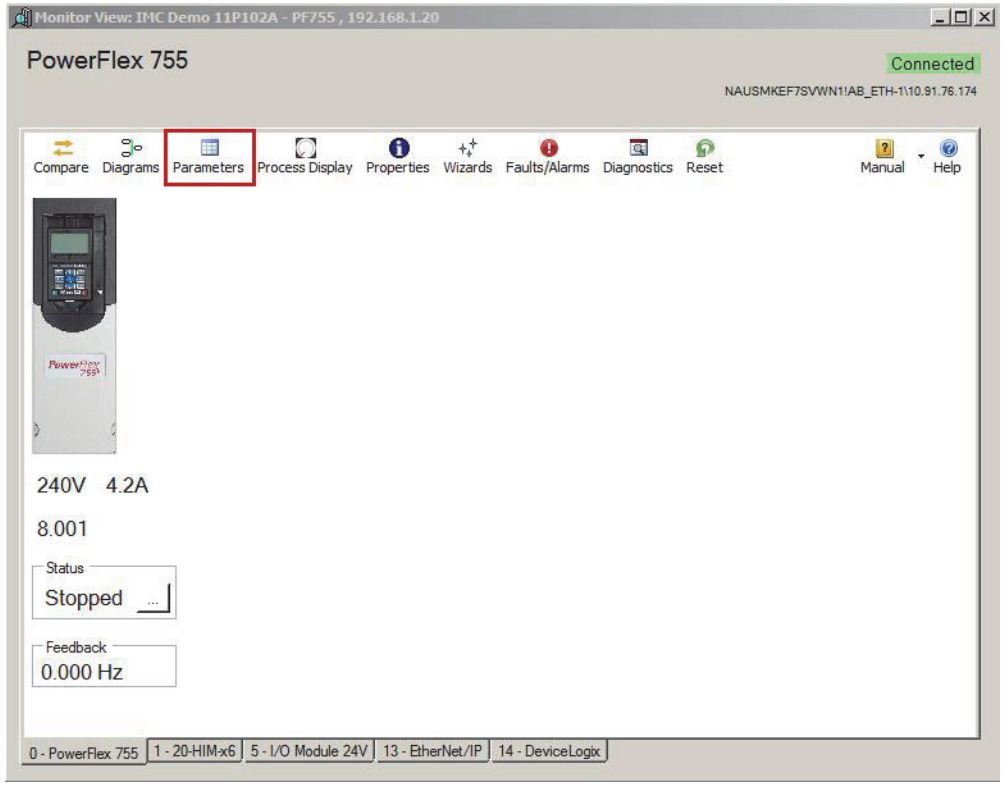
When the Monitor View opens, you see the status Connected (highlighted in green) near the top right corner of the window. This appears if you are online with the lineup.



The Monitor View lets you access real-time data about each unit, such as amperes, current, and fault information. The toolbar at the top of this view lets you access different views and functionality that are available for the device. The tabs at the bottom let you switch between different ports associated with the device. If multiple network devices are associated with a single MCC unit, then the Monitor View includes tabs (at the top) to toggle between the different devices.

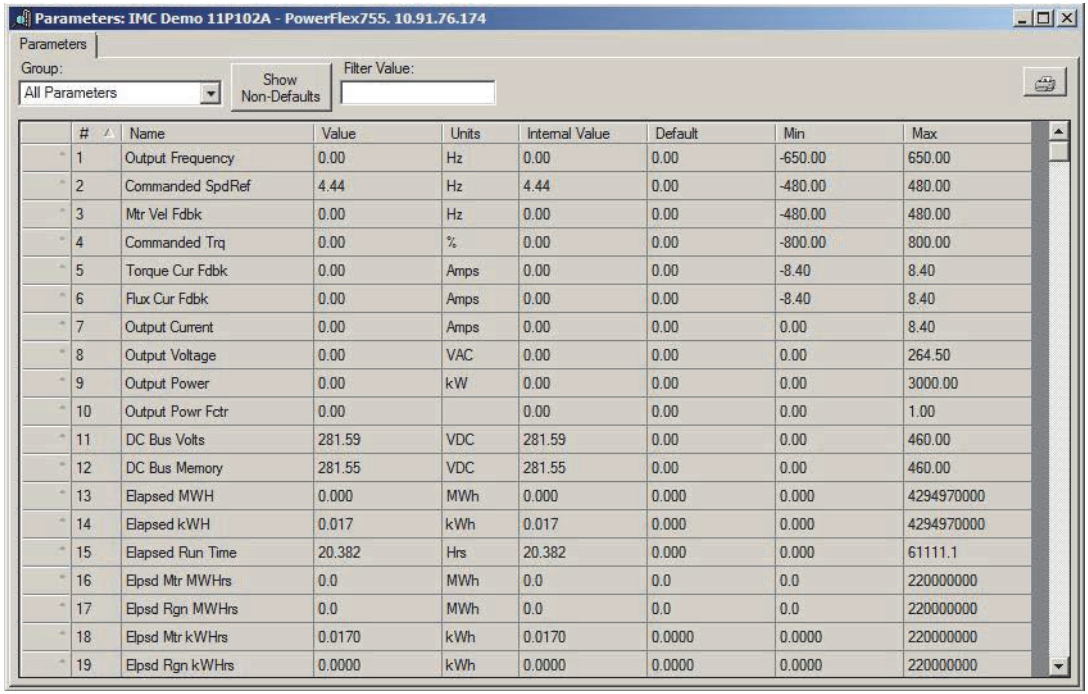
View Different Parameters in the Monitor View

To view the parameters for the device, click the Parameters icon on the toolbar.



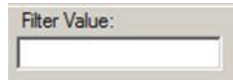
IMPORTANT IntelliCENTER software version 5.00.01 and later does not communicate with PowerFlex 753/755 drives via the 20-COMM-D option card. The 20-COMM-D option card is not a supported option for the PowerFlex 753/755 drives. Use the 20-750-DNET option card to communicate with the PowerFlex 753/755 drives over the DeviceNet network.

IntelliCENTER opens the Parameter Window, which lets you view all of the device's parameters. You can configure parameters from here, as well as monitor them in real-time.



#	Name	Value	Units	Internal Value	Default	Min	Max
1	Output Frequency	0.00	Hz	0.00	0.00	-650.00	650.00
2	Commanded SpdRef	4.44	Hz	4.44	0.00	-480.00	480.00
3	Mtr Vel Fdbk	0.00	Hz	0.00	0.00	-480.00	480.00
4	Commanded Trq	0.00	%	0.00	0.00	-800.00	800.00
5	Torque Cur Fdbk	0.00	Amps	0.00	0.00	-8.40	8.40
6	Flux Cur Fdbk	0.00	Amps	0.00	0.00	-8.40	8.40
7	Output Current	0.00	Amps	0.00	0.00	0.00	8.40
8	Output Voltage	0.00	VAC	0.00	0.00	0.00	264.50
9	Output Power	0.00	kW	0.00	0.00	0.00	3000.00
10	Output Powr Fctr	0.00		0.00	0.00	0.00	1.00
11	DC Bus Volts	281.59	VDC	281.59	0.00	0.00	460.00
12	DC Bus Memory	281.55	VDC	281.55	0.00	0.00	460.00
13	Elapsed MWH	0.000	MWh	0.000	0.000	0.000	4294970000
14	Elapsed kWH	0.017	kWh	0.017	0.000	0.000	4294970000
15	Elapsed Run Time	20.382	Hrs	20.382	0.000	0.000	61111.1
16	Elpsd Mtr MWHrs	0.0	MWh	0.0	0.0	0.0	220000000
17	Elpsd Rgn MWHrs	0.0	MWh	0.0	0.0	0.0	220000000
18	Elpsd Mtr kWHrs	0.0170	kWh	0.0170	0.0000	0.0000	220000000
19	Elpsd Rgn kWHrs	0.0000	kWh	0.0000	0.0000	0.0000	220000000

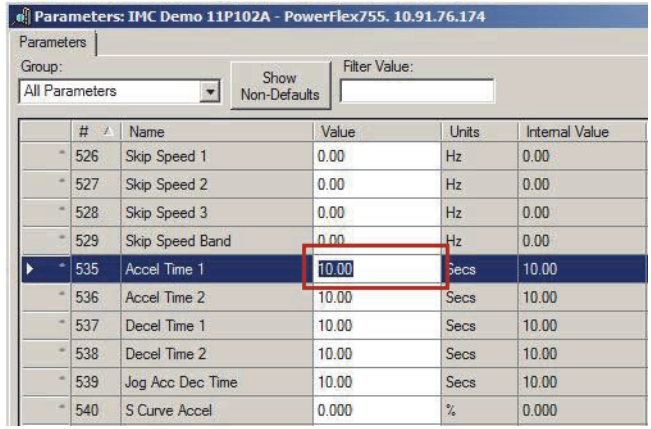
One useful feature of this view is the Filter Value box..



In the Filter Value box, you can type the parameter you want to view, and IntelliCENTER displays the parameters that match what you typed.

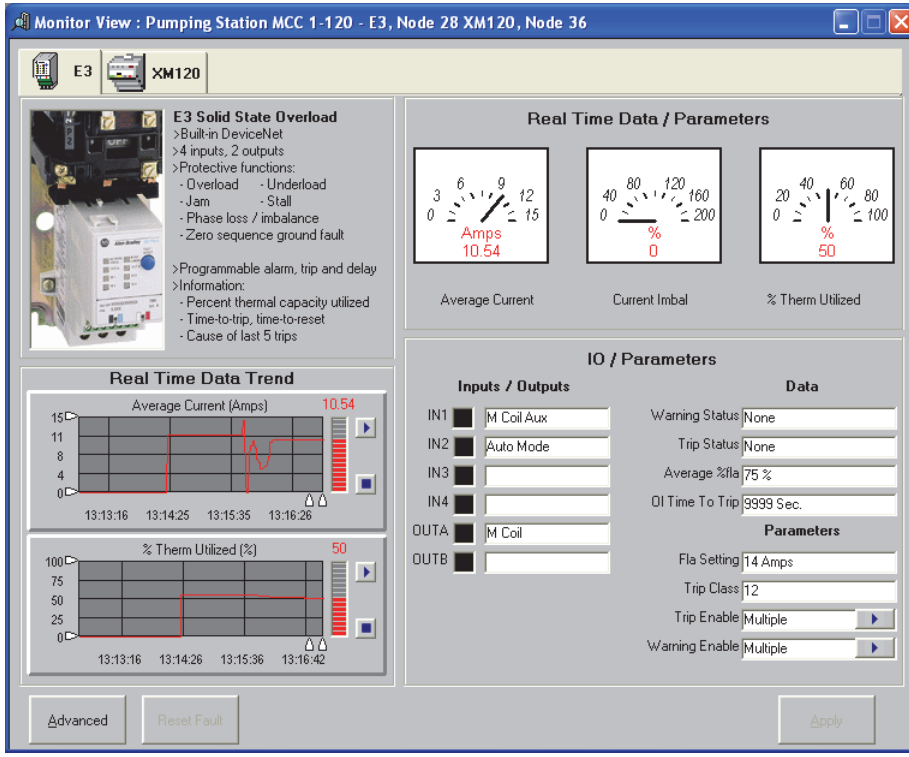
Change Parameter Values

The Value cell appears white and is enabled for those parameters that are editable. To change a parameter value, scroll down the Parameter List view and find the parameter you want to change. Then type the new value into the Value field.


Parameters: IMC Demo 11P102A - PowerFlex755. 10.91.76.174
Parameters
Group:
All Parameters
Show Non-Defaults
Filter Value:
Name Value Units Internal Value
526 Skip Speed 1 0.00 Hz 0.00
527 Skip Speed 2 0.00 Hz 0.00
528 Skip Speed 3 0.00 Hz 0.00
529 Skip Speed Band 0.00 Hz 0.00
535 Accel Time 1 10.00 Secs 10.00
536 Accel Time 2 10.00 Secs 10.00
537 Decel Time 1 10.00 Secs 10.00
538 Decel Time 2 10.00 Secs 10.00
539 Jog Acc Dec Time 10.00 Secs 10.00
540 S Curve Accel 0.000 % 0.000

IMPORTANT The new value entered must be within the Min Value and Max Value displayed in the corresponding columns. The Min and Max values are specific to the device and the parameter being changed. After entering the new value, it is written to the device.

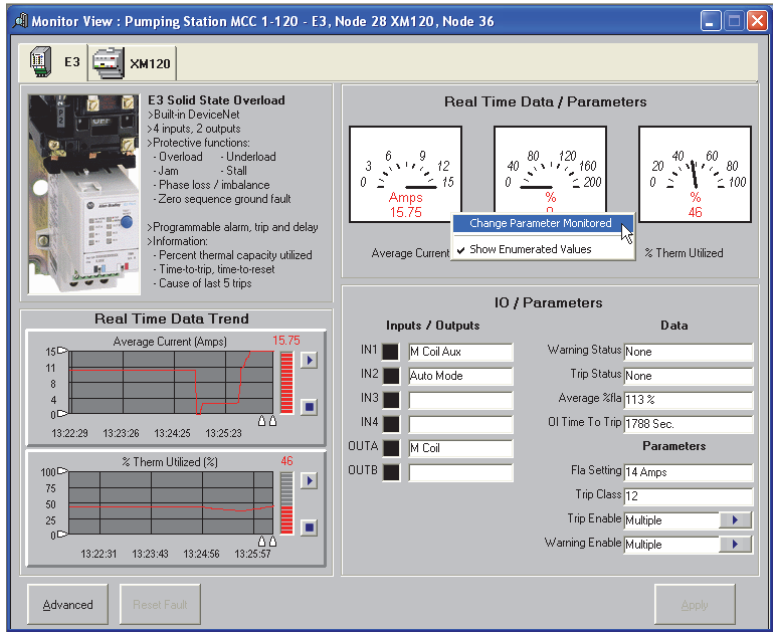
Monitor View - Overloads, PowerMonitors, I/O, and Other

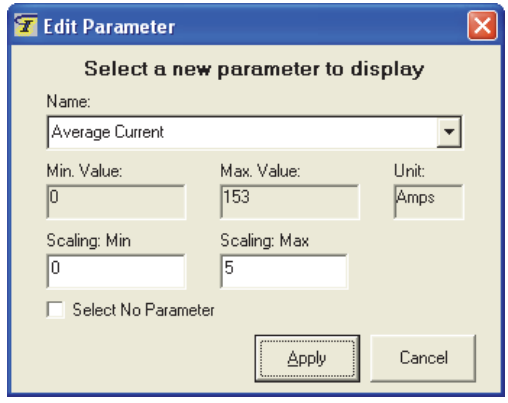


The Monitor or Unit View displays real-time data about each unit, such as amperes, time-to-trip, trip cause, ground fault amperes, and I/O status. Each window comes pre-configured to show the parameters typically of greatest interest, but you can customize the parameters to be displayed. Trending graphs and analog dials are featured on the Monitor window, as well as I/O (if applicable), Data, and Parameters. Refer to the online help for more information about the Monitor View. A different window has been designed for each family of Allen-Bradley products (PowerFlex® drives, SMC Flex soft starters, E3 Solid-state overload, and others). If multiple network devices are associated with a single MCC unit, the Monitor View includes tabs to toggle between the devices.

View Different Parameters in the Monitor View

To view different parameters in the Monitor View, right-click the display (analog dials, trending graphs, data, or parameters), choose Change Parameter Monitored, and then choose the new parameter from the pull-down menu.



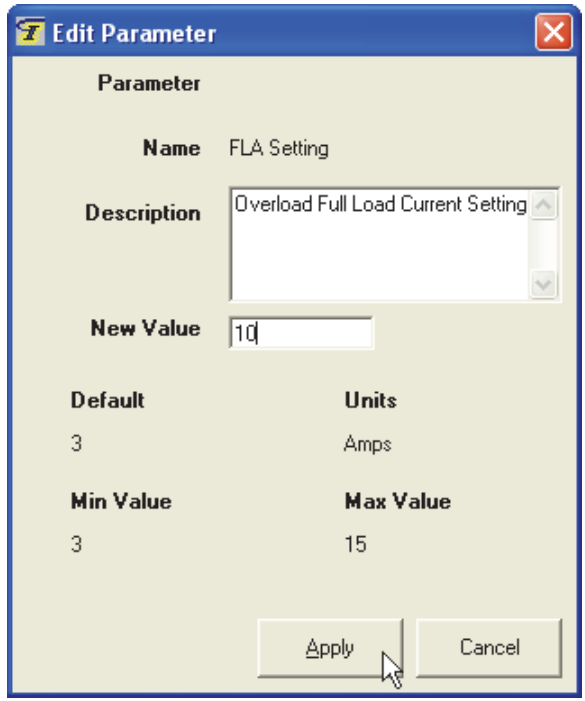


IMPORTANT Changes do not take effect until you click Apply on the Monitor dialog box. Changing parameters to be displayed in the analog dials or trend graphs affects all other similar devices. That is, if the Monitor view of an E3 overload is changed to display Average current, Ground Fault current, and Phase imbalance on the analog dials, all other E3 Monitor dialog boxes display the same information.

Change Parameter Values

To change the parameter value of those parameters that are editable (for example, changing FLA setting from 1.0...5.0 A), click the text box associated with the Parameter Value to be changed and change it to the desired value by using the Edit Parameter dialog box that appears.

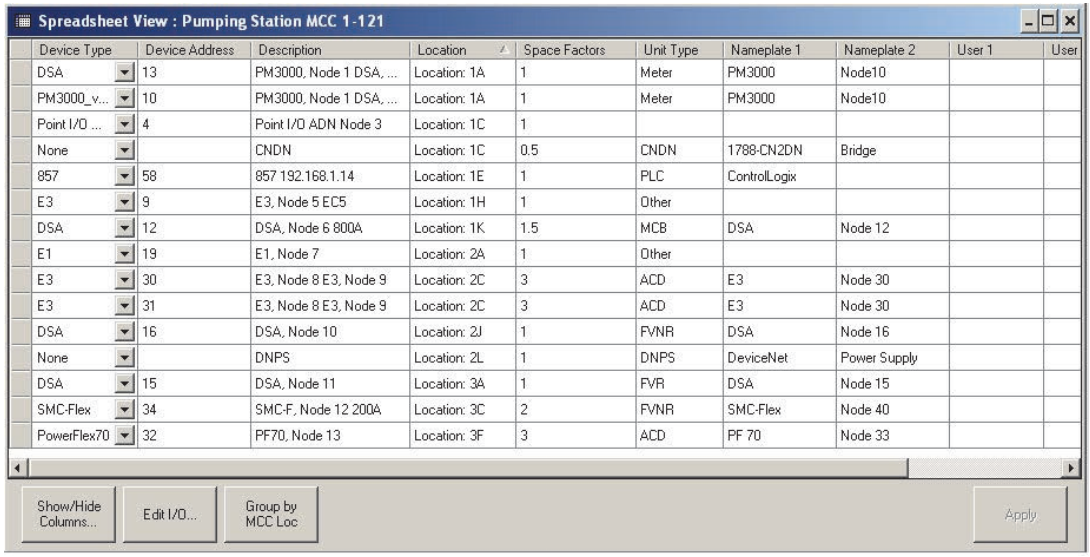
IMPORTANT The new value entered must be within the Min Value and Max Value displayed at the bottom of the Edit Parameter dialog box. The Min and Max values are specific to the device and the parameter being changed. Click Apply in the Edit Parameter dialog box to have the new value written to the device.



Spreadsheet View

To access the Spreadsheet View, from the View menu, choose Spreadsheet or click the Spreadsheet icon.

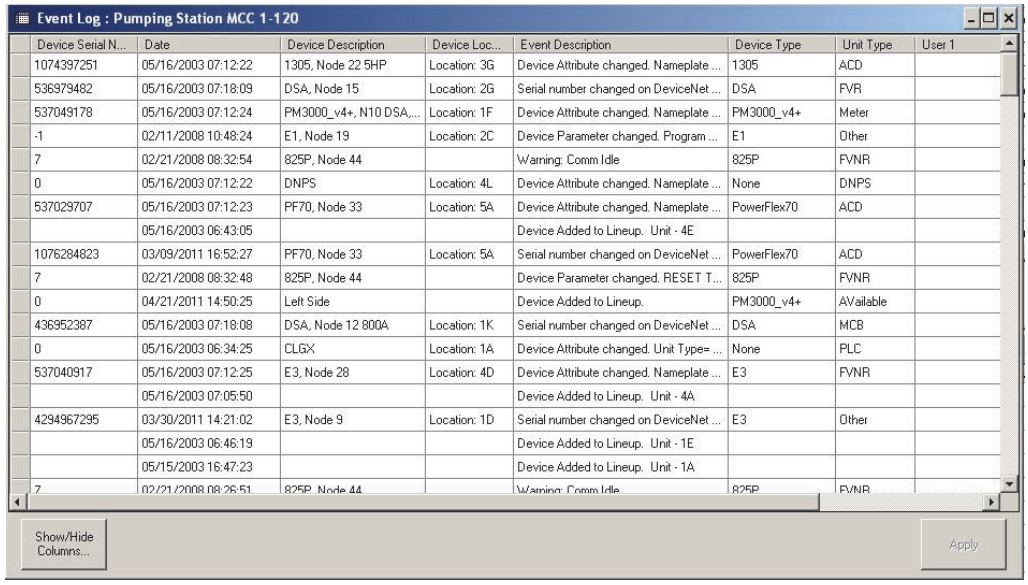
The Spreadsheet View is used for editing data that seldom changes. This includes node number, network, nameplate, and catalog numbers. The data can be sorted. By choosing Show/Hide from the Edit menu, you can select the specific information to be displayed. Additional columns are provided in case you want to add your own information, such as type of motor load. Refer to the online help for more information about the Spreadsheet View.


Spreadsheet View : Pumping Station MCC 1-121
Device Type
Device Address
Description
Location
Space Factors
Unit Type
Nameplate 1
Nameplate 2
User 1
User
DSA 13 PM3000, Node 1 DSA, ... Location: 1A 1 Meter PM3000 Node10
PM3000_v... 10 PM3000, Node 1 DSA, ... Location: 1A 1 Meter PM3000 Node10
Point I/O ... 4 Point I/O ADN Node 3 Location: 1C 1
None CNDN Location: 1C 0.5 CNDN 1788-CN2DN Bridge
857 58 857 192.168.1.14 Location: 1E 1 PLC ControlLogix
E3 9 E3, Node 5 EC5 Location: 1H 1 Other
DSA 12 DSA, Node 6 800A Location: 1K 1.5 MCB DSA Node 12
E1 19 E1, Node 7 Location: 2A 1 Other
E3 30 E3, Node 8 E3, Node 9 Location: 2C 3 ACD E3 Node 30
E3 31 E3, Node 8 E3, Node 9 Location: 2C 3 ACD E3 Node 30
DSA 16 DSA, Node 10 Location: 2J 1 FVNR DSA Node 16
None DNPS Location: 2L 1 DNPS DeviceNet Power Supply
DSA 15 DSA, Node 11 Location: 3A 1 FVR DSA Node 15
SMC-Flex 34 SMC-F, Node 12 200A Location: 3C 2 FVNR SMC-Flex Node 40
PowerFlex70 32 PF70, Node 13 Location: 3F 3 ACD PF 70 Node 33
Show/Hide Columns...
Edit I/O...
Group by MCC Loc
Apply

Event Log

To access the Event Log, from the View menu, choose Events, or click the Events icon.

The Event Log is used to keep a history of changes (trip settings), parameter events (warnings, faults), equipment changes, or other changes you would like to document. In addition to having the ability to manually log events, the software can create an 'Auto Log' of changes in the equipment parameters (trip settings, warnings, and faults). Additional columns are provided in case you want to add your own information, such as a maintenance schedule. Refer to the online help for more details on the Event Log.


Event Log : Pumping Station MCC 1-120
Device Serial N...
Date
Device Description
Device Loc...
Event Description
Device Type
Unit Type
User 1
1074397251 05/16/2003 07:12:22 1305, Node 22 5HP Location: 3G Device Attribute changed. Nameplate ... 1305 ACD
536979482 05/16/2003 07:18:09 DSA, Node 15 Location: 2G Serial number changed on DeviceNet ... DSA FVR
537049178 05/16/2003 07:12:24 PM3000_v4+, N10 DSA,... Location: 1F Device Attribute changed. Nameplate ... PM3000_v4+ Meter
-1 02/11/2008 10:48:24 E1, Node 19 Location: 2C Device Parameter changed. Program ... E1 Other
7 02/21/2008 08:32:54 825P, Node 44 Warning: Comm Idle 825P FVNR
0 05/16/2003 07:12:22 DNPS Location: 4L Device Attribute changed. Nameplate ... None DNPS
537029707 05/16/2003 07:12:23 PF70, Node 33 Location: 5A Device Attribute changed. Nameplate ... PowerFlex70 ACD
05/16/2003 06:43:05 Device Added to Lineup. Unit - 4E
1076284823 03/09/2011 16:52:27 PF70, Node 33 Location: 5A Serial number changed on DeviceNet ... PowerFlex70 ACD
7 02/21/2008 08:32:48 825P, Node 44 Device Parameter changed. RESET T... 825P FVNR
0 04/21/2011 14:50:25 Left Side Device Added to Lineup. PM3000_v4+ AVailable
436952387 05/16/2003 07:18:08 DSA, Node 12 800A Location: 1K Serial number changed on DeviceNet ... DSA MCB
0 05/16/2003 06:34:25 CLGX Location: 1A Device Attribute changed. Unit Type= ... None PLC
537040917 05/16/2003 07:12:25 E3, Node 28 Location: 4D Device Attribute changed. Nameplate ... E3 FVNR
05/16/2003 07:05:50 Device Added to Lineup. Unit - 4A
4294967295 03/30/2011 14:21:02 E3, Node 9 Location: 1D Serial number changed on DeviceNet ... E3 Other
05/16/2003 06:46:19 Device Added to Lineup. Unit - 1E
05/15/2003 16:47:23 Device Added to Lineup. Unit - 1A
7 02/21/2008 08:26:51 825P, Node 44 Warning: Comm Idle 825P FVNR
Show/Hide Columns...
Apply

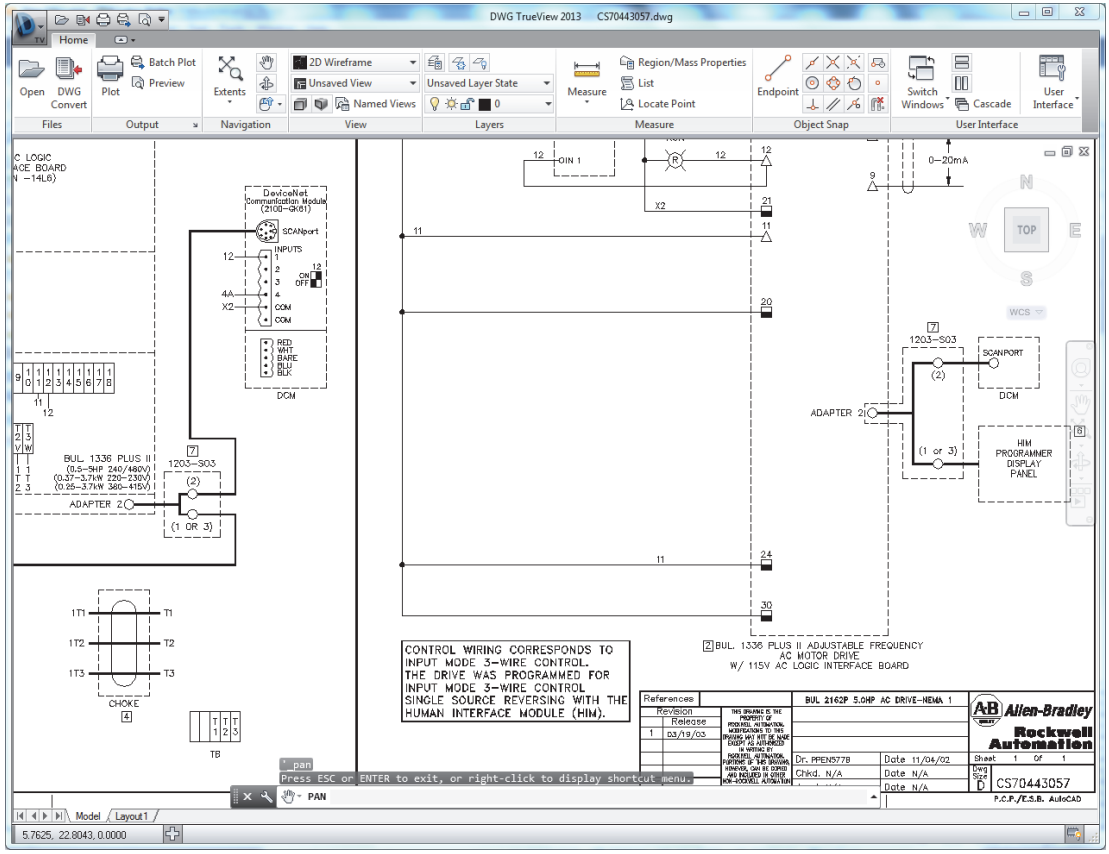
Electronic Documentation

IntelliCENTER software provides CAD drawings and user documentation for your IntelliCENTER MCC unit.

CAD Drawings

To access the CAD drawings, from the Documentation menu, choose Drawings. Select the unit and then the drawing to be viewed, then double-click the drawing to launch the AutoCAD viewer. The one-line (if requested) and elevation drawings are on the MCC level of the drawings view.

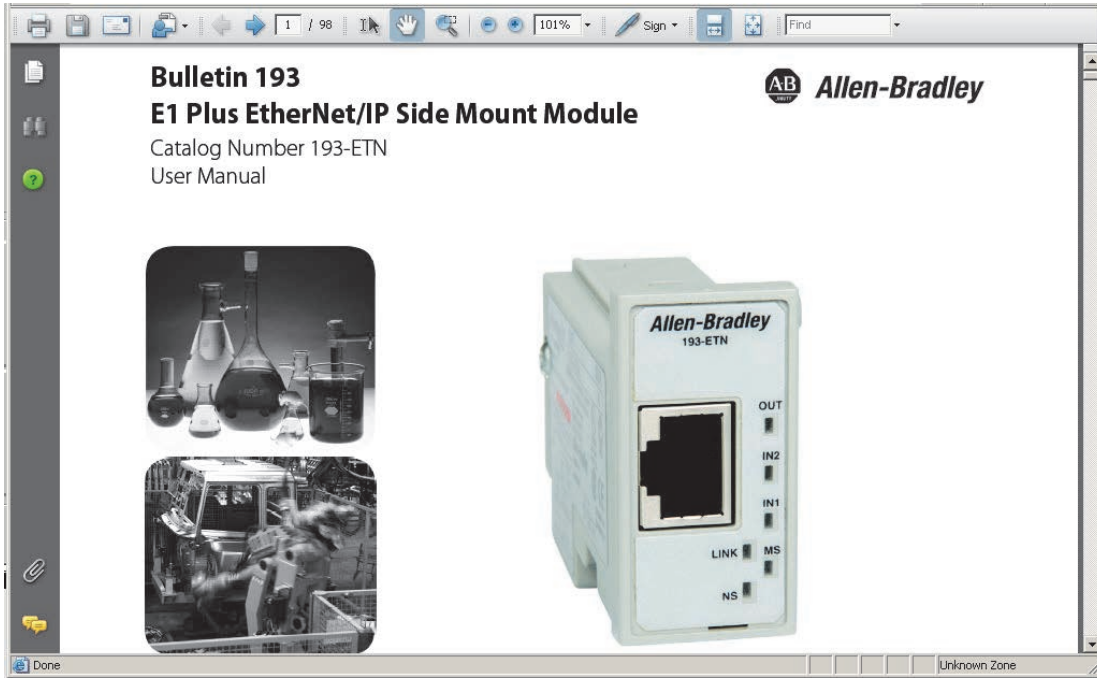
The one-line drawing (if requested), as-built wiring diagrams, and elevation drawing for the IntelliCENTER MCC are installed via the IntelliCENTER software data disk. Anytime you need to view a CAD drawing, open the drawing in IntelliCENTER software. Autodesk DWG TrueView, an AutoCAD viewer, is provided with the software to aid viewing of the drawings. In addition, you can open and view your own CAD drawings. Refer to the online help for more information about viewing CAD drawings.



User Manuals

To access the user manuals, from the Documentation menu, choose Manuals. Select the unit and then the manual to be viewed, then double-click the manual to launch the manual viewer.

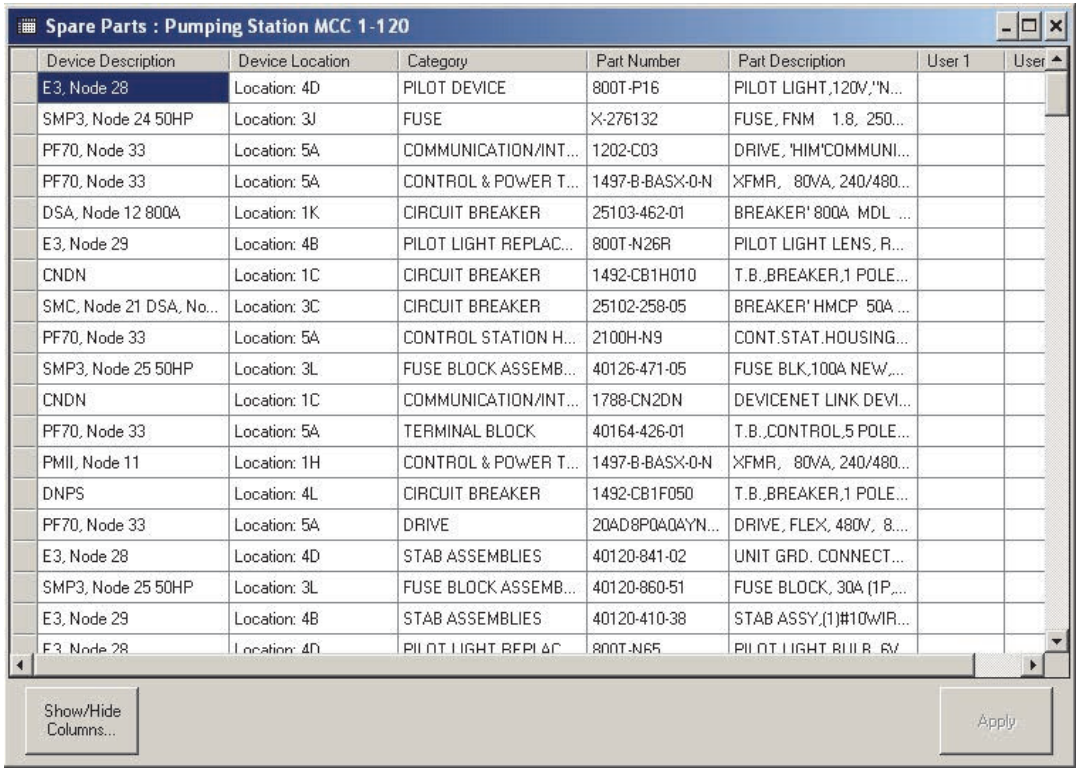
All user manuals needed for the IntelliCENTER MCC are installed via the IntelliCENTER software data disk. The manuals provided are specific to the IntelliCENTER MCC ordered, so there is no need to search through unnecessary information. Refer to the online help for more information about viewing user manuals.



Spare Parts

To access the spare parts list, from the Documentation menu, choose Spare Parts.

Use the spare parts list to quickly identify replacement parts. A list of spare parts is provided for each unit. The data can be sorted. From the Edit menu, choose Show/Hide to select the specific information to view. Additional columns are provided in case you want to add your own information, such as tool crib stack number. Refer to the online help for more information about the spare parts list.



Additional Software Information

Additional information on the use and configuration of the software can be found in the online help. To access the online help, from the Help menu, choose IntelliCENTER Help.

ActiveX Controls

ActiveX controls are available in the IntelliCENTER software to interface the Elevation, Monitor, Spreadsheet, and Documents views into HMI applications, such as FactoryTalk View SE and RSView® 32.

IMPORTANT ActiveX Controls are used for monitoring purposes only. To change the configuration of the MCC lineup, a complete installation of the IntelliCENTER software is needed.

From the Start menu, choose Programs > IntelliCENTER > IntelliCENTER Help for programming information on individual controls.

Elevation ActiveX Control

This control provides a means of showing the elevation view to monitor the status of a lineup.

Monitor ActiveX Control

This control provides all the features of the standard Monitor View in the IntelliCENTER software. You can use it to view, trend, and change parameters.

Documents ActiveX Controls

This control provides the ability to view drawings, manuals, spare parts, and events for a specific lineup or device.

Spreadsheet ActiveX Control

This control provides a way to view data for a single device or an entire lineup.

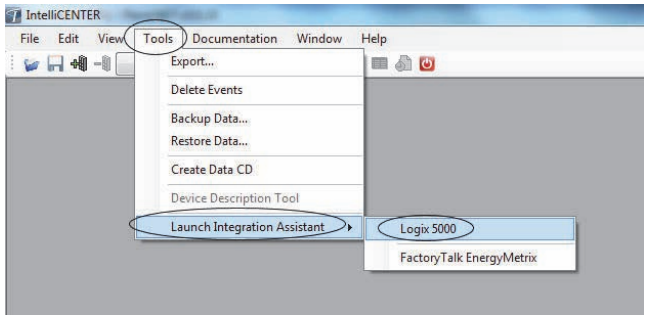
IntelliCENTER Software Integration Assistant

Integration Assistant, as part of IntelliCENTER software, lets you update other software project files such as Logix Designer projects and FactoryTalk EnergyMetrix database.

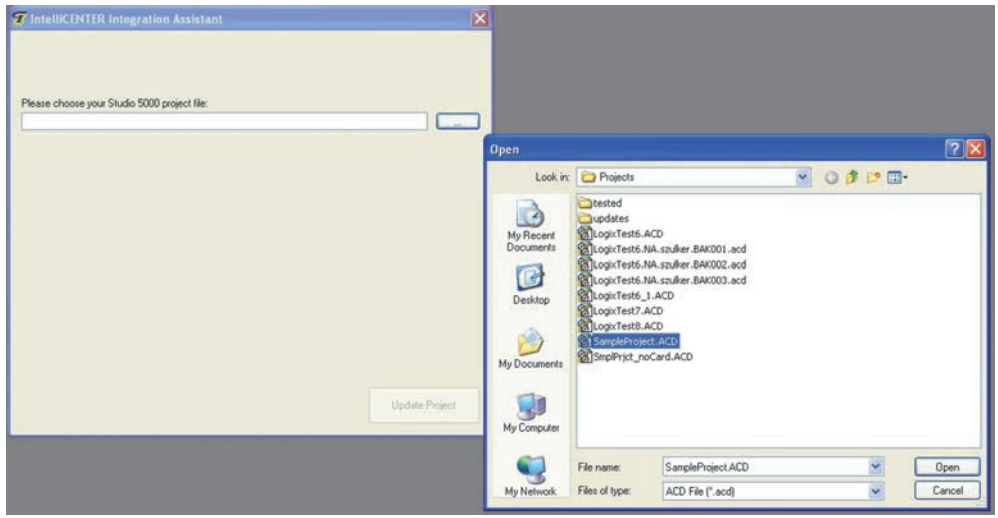
Integration Assistant for Logix5000 Software

Integration Assistant adds the devices in your MCC lineup to the controller I/O tree and gets the controller tags ready for programming. The purpose of the tool is to save you time and energy of adding each device manually to the I/O tree via the Logix5000™ application and get you ready for control programming as quickly as possible.

1. Choose Tools > Launch Integration Assistant > Logix 5000.



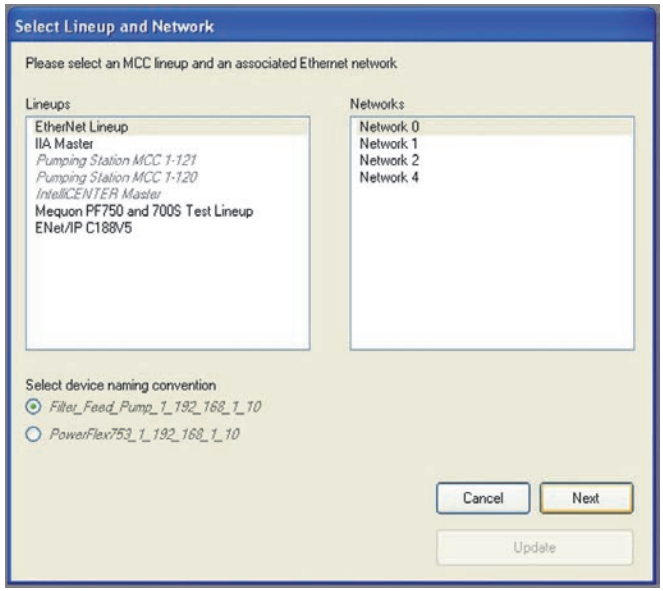
2. Select the project file (*.ACD) you want to update and click Update Project.



3. Select an MCC lineup and one of its Ethernet networks to begin the mapping.

   You must choose one of the device naming conventions:

- NameplateText_NetworkNumber_IPAddress - the unit nameplates are used to determine the device names in I/O tree
- DeviceType_NetworkNumber_IPAddress - the device type is used instead

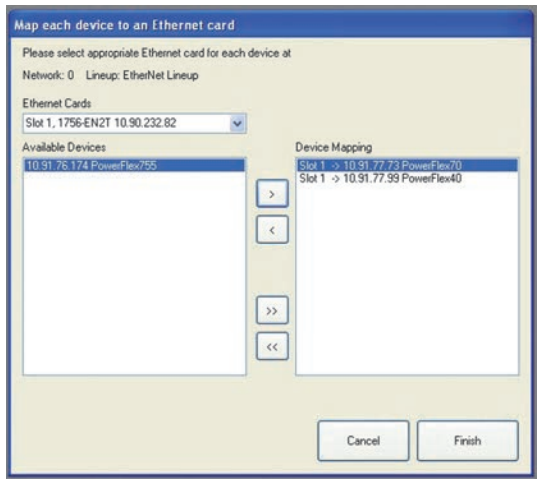


4. Click Next.

   You are prompted to add devices to the controller I/O tree in your project:

- The Ethernet Cards pull-down menu contains all the Ethernet cards in your project.
- The Available Devices dialog box lists the devices for the lineup/network which can be mapped.

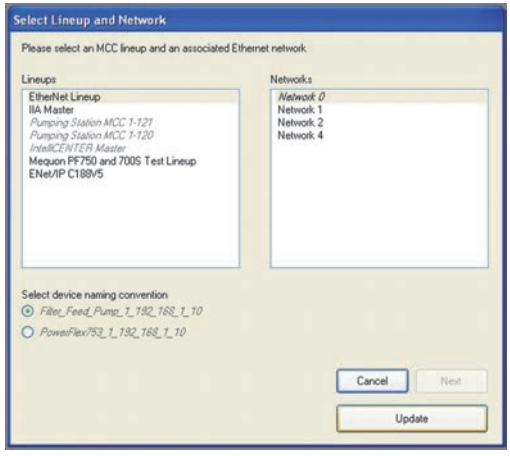
5. Add devices to the I/O tree.
   a. Select the appropriate Ethernet card to which you'd like to add devices.
   b. Next select the devices you'd like to add to that card.
   c. Click > to add those devices to the Ethernet card's scanlist.
   d. When done mapping, click Finish.



TIP You can split the available devices to be mapped between different Ethernet cards.

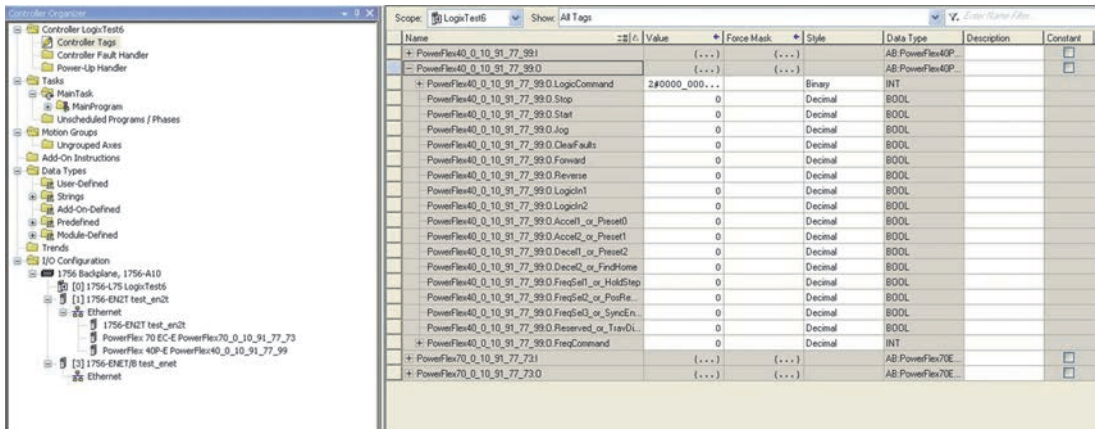
You can select other networks and other lineups/networks to do more mapping.

6. When you are done mapping, click Update.



IMPORTANT When all the devices under a network have been mapped, the network appears dimmed and the Next button is disabled. When all networks for a particular MCC Lineup have been mapped, the lineup also is dimmed.

When the update is successful, the tool launches the updated project, the devices have been added to the I/O tree, and the controller tags are in place.



Integration Assistant for IntelliCENTER Energy

Please refer to Integration Assistant for IntelliCENTER Energy on page 44.

IntelliCENTER Energy

IntelliCENTER Energy is a premier software package with all the features of IntelliCENTER software plus additional Energy Management benefits powered by FactoryTalk EnergyMetrix. IntelliCENTER Energy software provides the following:

- Real-time energy consumption and historical trending down to the device level
- Ability to monitor and manage energy usage for substantial cost savings

Install IntelliCENTER Energy

The installation CD for IntelliCENTER Energy contains FactoryTalk EnergyMetrix software version 2.0 SP1 and the required software:

- FactoryTalk Activation Manager V3.50
- RSLinx Classic Lite 2.59 CPR 9 SR 3
- Microsoft .NET Framework 3.5 SP1
- Adobe Acrobat Reader 9.1

TIP We recommend, but do not require, that you install FactoryTalk EnergyMetrix software on a dedicated server with a local installation of Microsoft SQL Server.

System Requirements

These minimum system requirements provide optimal operation of the FactoryTalk EnergyMetrix software:

- Server Software Requirements for Installing FactoryTalk EnergyMetrix Software
  - Windows 2003 Server or Windows 2008 Server, Application Server role. Windows 2000 Server is not supported.
  - Microsoft SQL Server 2005 or 2008, installed with mixed-mode authentication (Windows and SQL). TCP/IP access must be enabled and IIS must be installed and setup. A system administrator SQL login must be used for the FactoryTalk EnergyMetrix software installation.
  - SQL Management Studio to create a user in order to install FactoryTalk EnergyMetrix software.
  - You must have machine administrator privileges to install FactoryTalk EnergyMetrix software.
- Hardware Requirements - The database requires these minimum standards:
  - 1.4 GHz or better Intel or Compatible Processor
  - 2 GB RAM
  - 160 GB hard disk (with separate disks for operating system and log files and RAID 5 for main database files preferred)

These are general guidelines. FactoryTalk EnergyMetrix software is capable of running on a variety of hardware platforms. The main scalability issue is related to processing of logged data (for example, report generation, trending). CPU speed, number of CPUs, RAM, and RAID 5 for the database files are the main scalability factors (in that order). All hardware platforms require the following:

- Processor, RAM and hard drive as noted below
- DVD drive
- One or more Ethernet network ports
- Internet access
- Monitor, keyboard, pointing device (mouse)

For installation instructions please refer to the FactoryTalk EnergyMetrix User Manual, publication FTALK-UM001.

Install the IntelliCENTER Energy Data CDs

The IntelliCENTER Energy Data CD has two uses:

- Installing the databases and documentation needed for IntelliCENTER Software to display information for your MCC.
- Populating the IntelliCENTER Energy server with information about the devices in the MCC, when run from the server.

Follow these steps to run the IntelliCENTER Energy Data CD.

1. Close all programs.
2. Insert the IntelliCENTER Energy Data CD into your CD-ROM.
3. If Autorun is enabled on your computer, the installation starts automatically and you can skip steps 4 and 5.
4. From the Start menu, choose Run.
5. Type D:\Setup.exe (substitute the appropriate letter of your CD-ROM drive for D) and click OK.

   The IntelliCENTER Energy Data CD determines if it is being run from an IntelliCENTER Energy server machine. If the machine is an IntelliCENTER Energy server, then the Integration Assistant for IntelliCENTER Energy runs. For information on how to use Integration Assistant refer to Integration Assistant for IntelliCENTER Energy.

TIP If the machine is not an IntelliCENTER Energy server, refer to Installing IntelliCENTER Software Data Disks on page 11.

- After the Integration Assistant is completed, the EDS files is registered on the machine.
- IntelliCENTER Energy is now populated for the devices in your MCC.
- At this point, you are prompted whether you would like to install the IntelliCENTER Software Data CD as well (databases and documentation). If you do, then refer to Installing IntelliCENTER Software Data Disks on page 11.

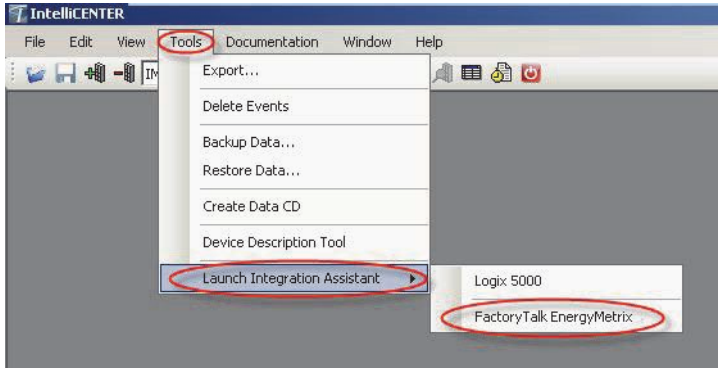
Integration Assistant for IntelliCENTER Energy

Integration Assistant is used to populate the FactoryTalk EnergyMetrix server with the device of the MCC. This can be done from either the server or the client machine.

Running Integration Assistant from the Server

Follow these steps to run Integration Assistant to populate the FactoryTalk EnergyMetrix server from the server.

1. To launch the Integration Assistant from within IntelliCENTER Software, choose Tools > Launch Integration Assistant > FactoryTalk EnergyMetrix to launch the IntelliCENTER Integration Assistant.

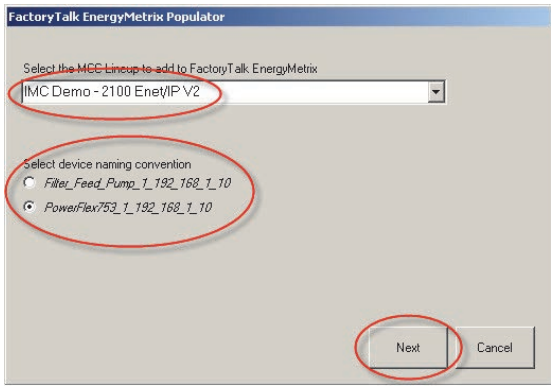


2. From the pull-down menu, select the MCC lineup you are using to populate the FactoryTalk EnergyMetrix server.

3. Choose a naming convention and click Next.

   You must choose one of the device naming conventions:

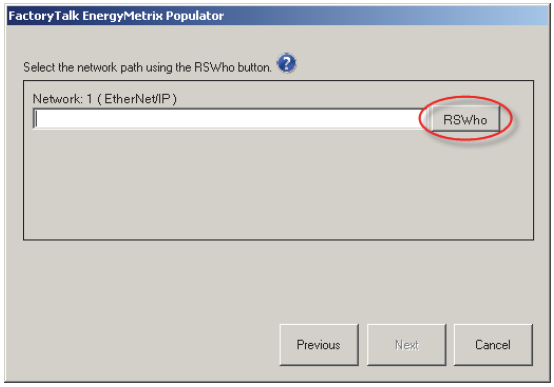
- NameplateText_NetworkNumber_IPAddress - the unit nameplates are used to determine the device names in I/O tree
- DeviceType_NetworkNumber_IPAddress - the device type is used instead



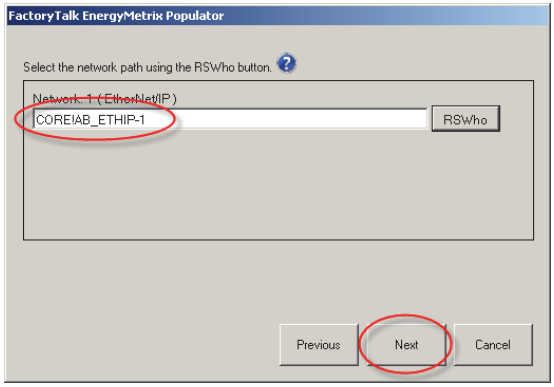
4. Select the path for each network within the MCC Lineup.

5. Click RSWho.

   This opens a new dialog box where the network can be selected.

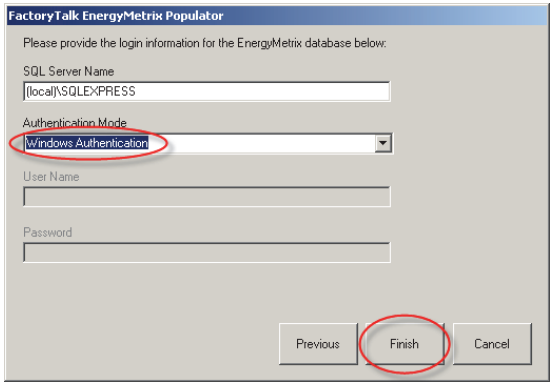


6. Verify the correct path is set and click Next.



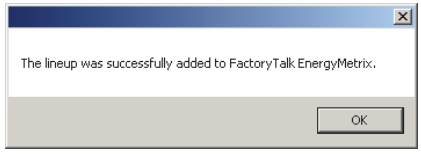
You are prompted to provide the login information for the database.

7. Since we are running the populator from the server, select Windows Authentication from the Authentication Mode pull-down menu and click Finish.



A dialog box opens indicating that the lineup was successfully added.

8. Click OK.



Running Integration Assistant from the Client

You have to select the path that the server uses to access the devices. This can be done in two ways:

- By using the RSLinx Classic Backup Restore Utility
- By using the Network Path

Option 1: Use the RSLinx Classic Backup Restore Utility

Follow these steps to populate the server from the client by using the RSLinx Classic Backup Restore Utility.

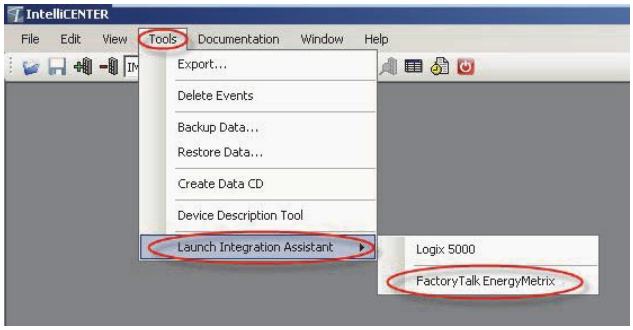
1. On the server computer, choose Start > Programs > Rockwell Software > RSLinx > RSLinx Classic Backup Restore Utility.
2. Click Backup.

   The RSLinx Classic Backup Restore Utility saves the current RSLinx configuration of the server machine as an .rsx file.

IMPORTANT For this to work properly, the client computer should be able to access the same devices on the same networks as the server.

3. Transfer the .rsx configuration file to the client computer.
4. Choose Start > Programs > Rockwell Software > RSLinx > RSLinx Classic Backup Restore Utility.
5. Click Restore.
6. After successfully running the RSLinx Classic Backup Restore utility you must browse the networks by using RSWho in RSLinx software.
7. Start IntelliCENTER software.

8. Choose Tools > Launch Integration Assistant > FactoryTalk EnergyMetrix to launch the IntelliCENTER Integration Assistant.

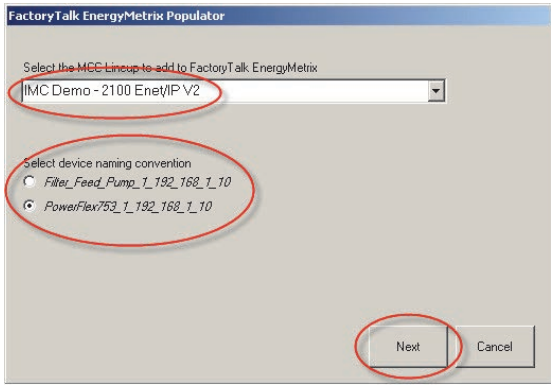


9. From the pull-down menu, select the MCC lineup you are using to populate the FactoryTalk EnergyMetrix server.

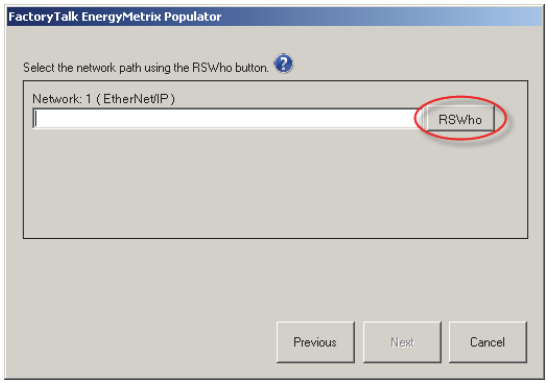
10. Choose a naming convention and click Next.

    You must choose one of the device naming conventions:

- NameplateText_NetworkNumber_IPAddress - the unit nameplates are used to determine the device names in I/O tree
- DeviceType_NetworkNumber_IPAddress - the device type is used instead

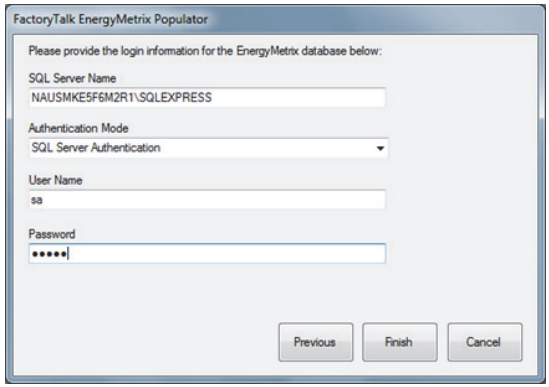


11. Select the appropriate network path by using the RSWho button in the IntelliCENTER Integration Assistant FactoryTalk EnergyMetrix wizard.



12. Click Next.

After entering the right network path you are prompted to enter the login information for the EnergyMetrix Database.



13. Change the Authentication Mode to 'SQL Server Authentication' and make sure the SQL Server Name matches the name of the FactoryTalk EnergyMetrix Database.

14. Enter the User Name and Password required to access the FactoryTalk EnergyMetrix database and click Finish to proceed.

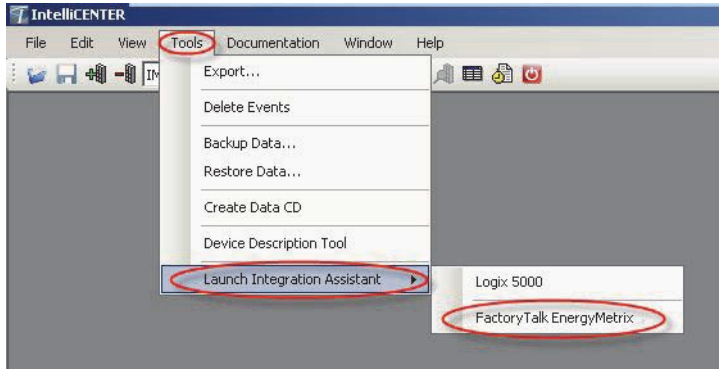
TIP

If the wizard is being run from the client, it is important to verify that the server has been configured to allow the configuration:

- The firewall/virus protection program should allow for user to connect to database. In the case of Symantec protection, this would mean disabling 'Network Threat Protection' and possibly 'Proactive Threat Protection'.
- The 'SQL Server Browser' service must be started on the server. This can be enabled by going to Control Panel > Administrative Tools > Services and starting the service.

Option 2: Use Network Path

1. Choose Tools > Launch Integration Assistant > FactoryTalk EnergyMetrix to launch the IntelliCENTER Integration Assistant.

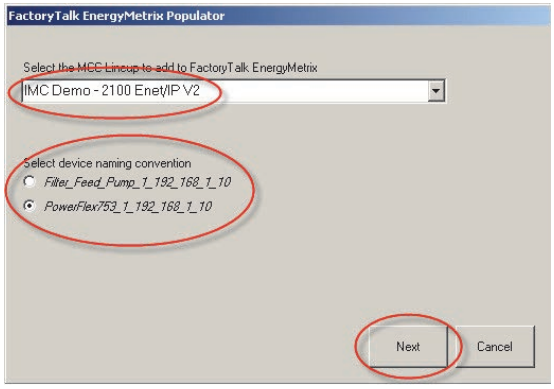


2. From the pull-down menu, select the MCC lineup you are using to populate the FactoryTalk EnergyMetrix server.

3. Choose a naming convention and click Next.

   You must choose one of the device naming conventions:

- NameplateText_NetworkNumber_IPAddress - the unit nameplates are used to determine the device names in I/O tree
- DeviceType_NetworkNumber_IPAddress - the device type is used instead



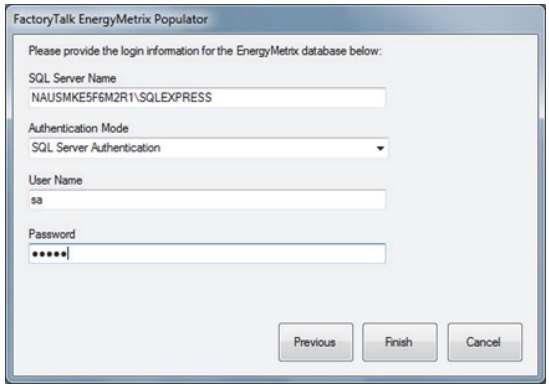
4. Identify the network path used on the server and type it into 'Network: 1' address instead of using RSWho.

   This way the user can enter the network path in directly.

   For more information on how to determine the network path please see Chapter 4 of the FactoryTalk EnergyMetrix User Manual, publication FTALK-UM001. The sub-heading of the section is 'Device Communication Setup'.

5. Click Next.

   After entering the right network path you are prompted to enter the login information for the EnergyMetrix Database.



6. Change the Authentication Mode to 'SQL Server Authentication' and make sure the SQL Server Name matches the name of the FactoryTalk EnergyMetrix Database.

7. Enter the User Name and Password required to access the FactoryTalk EnergyMetrix database and click Finish to proceed.

TIP

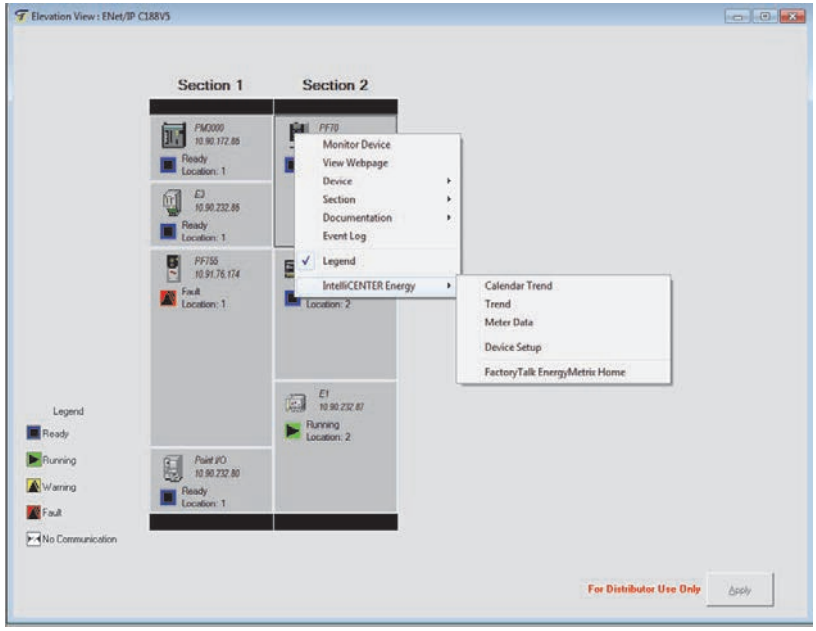
If the wizard is being run from the client, it is important to verify that the server has been configured to allow the configuration:

- The firewall/virus protection program should allow for user to connect to database. In the case of Symantec protection, this would mean disabling 'Network Threat Protection' and possibly 'Proactive Threat Protection'.
- The 'SQL Server Browser' service must be started on the server. This can be enabled by going to Control Panel > Administrative Tools > Services and starting the service.

IntelliCENTER Energy Views

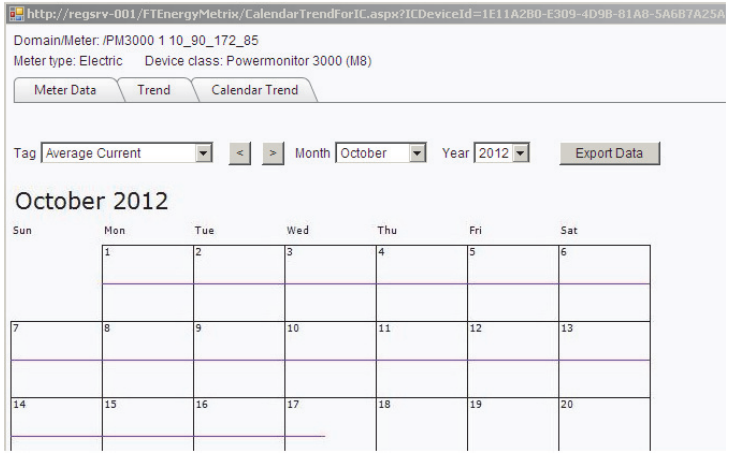
The IntelliCENTER Energy software allows real-time monitoring information to be displayed in the various IntelliCENTER software dialog boxes. You can choose to view Calendar Trends, Trends, Meter Data, and Device Setup.

From the Elevation View, right-click on an applicable device and select the view from the menu.

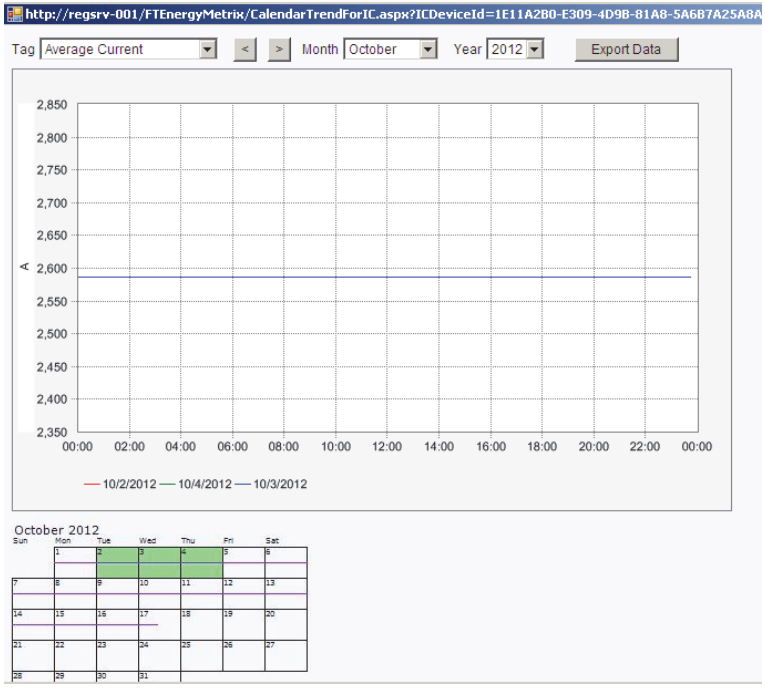


IntelliCENTER Energy Calendar Trend

This screen shows how the value of a meter tag or value type you select varies over a full month. You can select the meter tag to display from the pull-down menu.

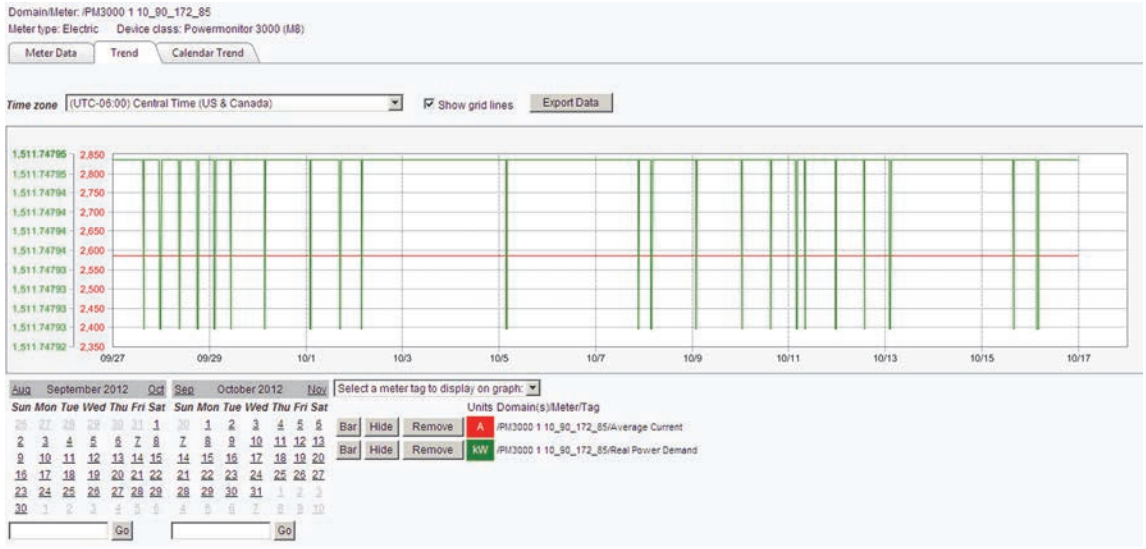


To zoom in to a day, click on the day in the calendar. You can overlay days by selecting additional days from the small calendar under the zoomed display.



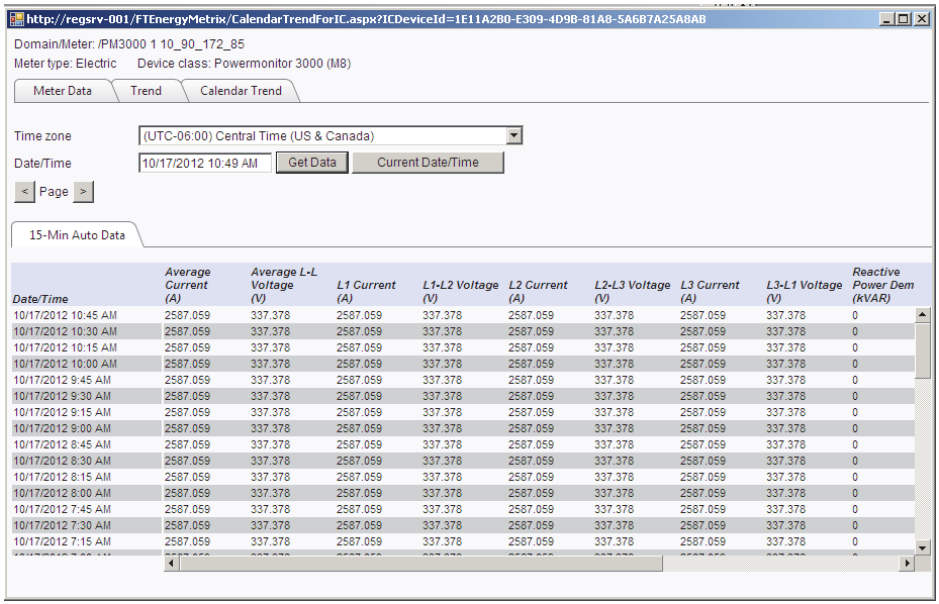
IntelliCENTER Energy Trend

This screen lets you select and view tags as their values vary by time. You can select up to five tags to be displayed. Each pen can be individually selected to be displayed as a line chart or bar chart. The user time zone is selected by default. You can select a different time zone for the trend and the start and end dates from the calendars. Or, enter start and end dates into the date fields and click the Go button. One day is the minimum trend period. If you select an end date earlier than the start date, the system adjusts the start date, and vice versa.



IntelliCENTER Energy Meter Data

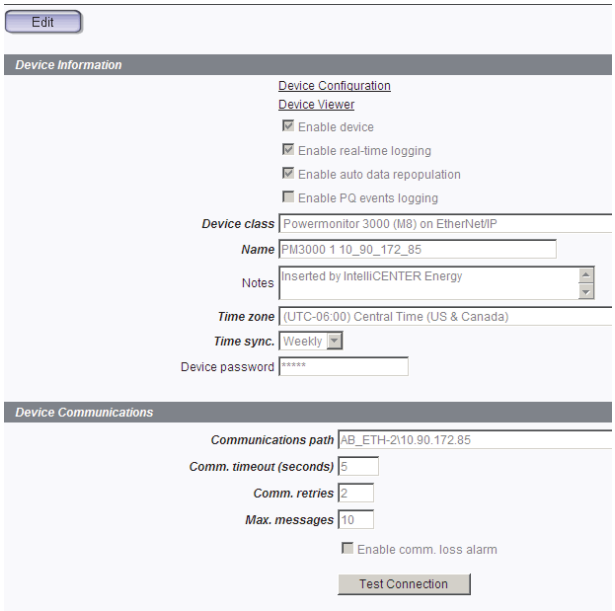
This screen lets you view the logged meter data for the device selected. The display is arranged by log rate. The user time zone is selected by default. Controls let you select the desired date, scroll up and down through the data, and page backward and forward through the meter data.



Date/Time	Average Current (A)	Average L-L Voltage (V)	L1 Current (A)	L1-L2 Voltage (V)	L2 Current (A)	L2-L3 Voltage (V)	L3 Current (A)	L3-L1 Voltage (V)	Reactive Power Dem (kVAR)
10/17/2012 10:45 AM	2587.059	337.378	2587.059	337.378	2587.059	337.378	2587.059	337.378	0
10/17/2012 10:30 AM	2587.059	337.378	2587.059	337.378	2587.059	337.378	2587.059	337.378	0
10/17/2012 10:15 AM	2587.059	337.378	2587.059	337.378	2587.059	337.378	2587.059	337.378	0
10/17/2012 10:00 AM	2587.059	337.378	2587.059	337.378	2587.059	337.378	2587.059	337.378	0
10/17/2012 9:45 AM	2587.059	337.378	2587.059	337.378	2587.059	337.378	2587.059	337.378	0
10/17/2012 9:30 AM	2587.059	337.378	2587.059	337.378	2587.059	337.378	2587.059	337.378	0
10/17/2012 9:15 AM	2587.059	337.378	2587.059	337.378	2587.059	337.378	2587.059	337.378	0
10/17/2012 9:00 AM	2587.059	337.378	2587.059	337.378	2587.059	337.378	2587.059	337.378	0
10/17/2012 8:45 AM	2587.059	337.378	2587.059	337.378	2587.059	337.378	2587.059	337.378	0
10/17/2012 8:30 AM	2587.059	337.378	2587.059	337.378	2587.059	337.378	2587.059	337.378	0
10/17/2012 8:15 AM	2587.059	337.378	2587.059	337.378	2587.059	337.378	2587.059	337.378	0
10/17/2012 8:00 AM	2587.059	337.378	2587.059	337.378	2587.059	337.378	2587.059	337.378	0
10/17/2012 7:45 AM	2587.059	337.378	2587.059	337.378	2587.059	337.378	2587.059	337.378	0
10/17/2012 7:30 AM	2587.059	337.378	2587.059	337.378	2587.059	337.378	2587.059	337.378	0
10/17/2012 7:15 AM	2587.059	337.378	2587.059	337.378	2587.059	337.378	2587.059	337.378	0

IntelliCENTER Energy Device Setup

The Device Setup Screen lets you modify the devices added into the FactoryTalk EnergyMetrix Server.



Your Support Plan

Software support for 12 months is included in the purchase price of IntelliCENTER software. During this term, you are entitled to telephone support.

Change of Registration

If you transfer the software to another party, you are required to complete the form at http://www.software.rockwell.com/support/regtrns/. Select Transfer Software Registration on the left to view the form.

The products you transferred are re-registered to the new owner for support updates and other services.

Product Updates

IntelliCENTER software updates are provided at no charge to users of registered software under a support contract. You can verify that you have the most recent major version release of your software product by visiting

http://www.rockwellautomation.com/support/pcdc.page, then choosing Get Downloads > Find Product Downloads. Otherwise, you can contact IntelliCENTER Support Services at (440) 646-5800. You are entitled to available updates as long as you remain in a TechConnect contract.

If the update you need is not available on the Web or if you do not have Web access, contact IntelliCENTER Support Services to request a product update.

IntelliCENTER Support Services

Phone: (440) 646-5800

FAX: (414) 382-0505

email: raictechsupport@ra.rockwell.com

Receiving Major Updates

You receive major updates if you have registered software that is under a TechConnect contract when a significant release occurs.

To download the most recent version of IntelliCENTER software, visit the Rockwell Automation Software Update Internet site at http://support.automation.rockwell.com/webupdates/. You can download many product updates directly from the website. You are required to provide your serial number.

Service Packs

Service packs are available by visiting http://www.rockwellautomation.com/support/pcdc.page, then choosing Get Downloads > Find Product Downloads. Then search for the product by name. The search result lists all major versions and service packs. The service packs are freely available to everyone.

Notes:

Notes:

Rockwell Automation Support

Rockwell Automation provides technical information on the Web to assist you in using its products.
At http://www.rockwellautomation.com/support/, you can find technical manuals, a knowledge base of FAQs, technical and application notes, sample code and links to software service packs, and a MySupport feature that you can customize to make the best use of these tools.

For an additional level of technical phone support for installation, configuration and troubleshooting, we offer TechConnect support programs. For more information, contact your local distributor or Rockwell Automation representative,
or visit http://www.rockwellautomation.com/support/.

Installation Assistance

If you experience a problem within the first 24 hours of installation, please review the information that's contained in this manual. You can also contact a special Customer Support number for initial help in getting your product up and running.

United States or Canada	1.440.646.3434
Outside United States or Canada	Use the Worldwide Locator at http://www.rockwellautomation.com/support/americas/phone_en.html, or contact your local Rockwell Automation representative.

New Product Satisfaction Return

Rockwell Automation tests all of its products to ensure that they are fully operational when shipped from the manufacturing facility. However, if your product is not functioning and needs to be returned, follow these procedures.

United States	Contact your distributor. You must provide a Customer Support case number (call the phone number above to obtain one) to your distributor to complete the return process.
Outside United States	Please contact your local Rockwell Automation representative for the return procedure.

Documentation Feedback

Your comments help us serve your documentation needs better. If you have any suggestions on how to improve this document, complete this form, publication RA-DU002, available at http://www.rockwellautomation.com/literature.

www.rockwellautomation.com

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